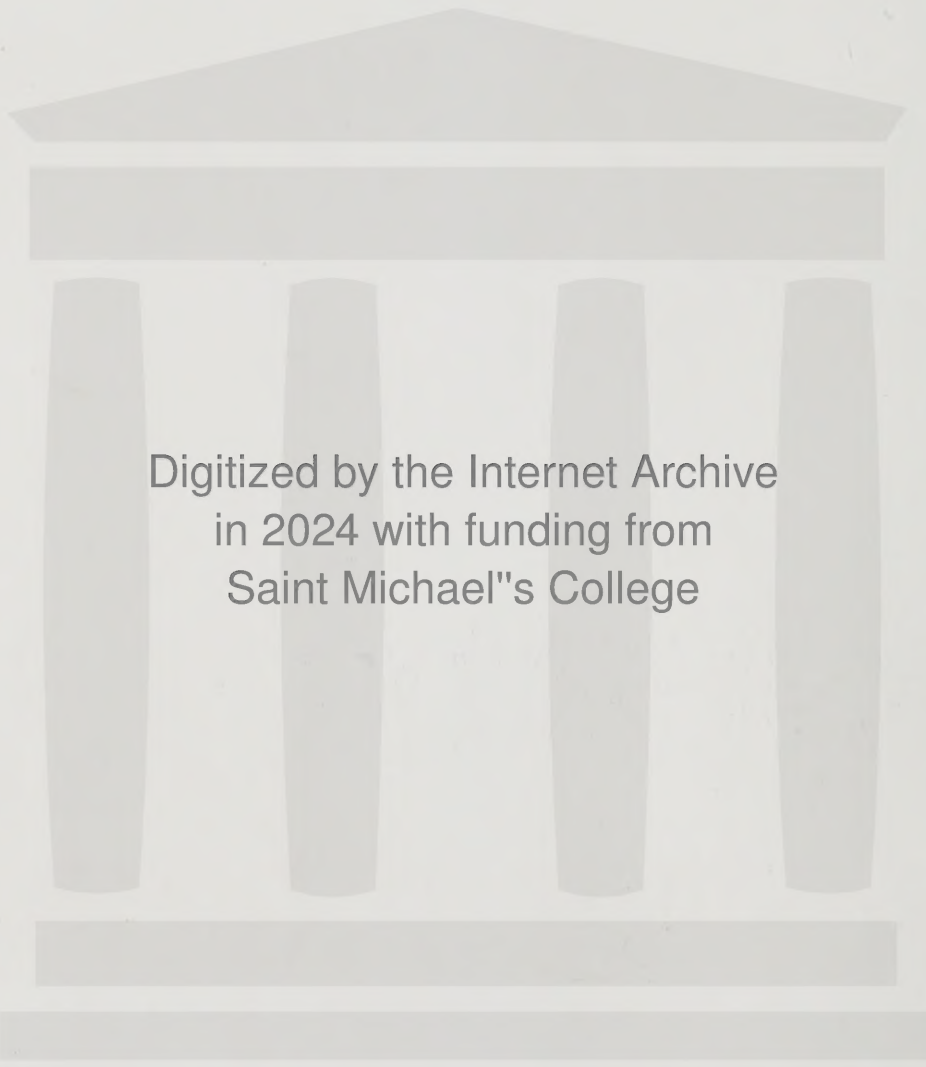




SAINT MICHAEL'S COLLEGE

BULLETIN 1978 • 1979



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Saint Michael's College

**Saint Michael's College
Winooski, Vermont**

This is the Undergraduate
Bulletin for the
seventy-fourth academic
year of liberal arts and
sciences education
provided by Saint Michael's
College



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1978

September 2-5
Orientation

Sept. 5
Upperclass Registration

Sept. 6
Classes for All

Sept. 20
Last day for course changes

Sept. 29
Feast of St. Michael. Classes as usual

Oct. 11
Columbus Day. Classes as usual

Oct. 18
Last day for making up I and X grades from previous semester and summer school

Oct. 20
Quarterly reports due

Oct. 27
Last day for withdrawing from courses without penalty

Nov. 1
Feast of All Saints. Classes as usual. Holy Day

Nov. 16
Feast of St. Edmund. Classes as usual. Special Mass.

Nov. 22
Thanksgiving recess begins at 11:30 a.m.

Nov. 27
Classes resume

Dec. 8
Feast of Immaculate Conception. Classes as usual. Holy Day

Dec. 13
Study Day

Dec. 14-16
Final Exams

Dec. 18-20
Final Exams

1979

January 22
Registration for second semester

January 23
Classes resume

Feb. 6
Last day for course changes

Mar. 2
Spring recess begins after last class

Mar. 2
Last day for making up I and X grades from previous semester

Mar. 2
Quarterly reports due

Mar. 12
Classes Resume

Mar. 16
Last day for withdrawing from courses without penalty

April 11
Easter recess begins after last class

April 17
Classes resume

April 24
Feast of Ascension. Holy Day. Classes as usual.

May 9
Study Day

May 10-12
Final Exams

May 13
Study Day

May 14-16
Final Exams

May 27
Commencement



Saint Michael's College is a private liberal arts college founded in 1903 and sponsored by the Society of Saint Edmund, a community of Catholic priests and brothers. Christian commitment within this distinctive Edmundite heritage gives form to campus community life. That guiding commitment helps all members of the College grow in wisdom with knowledge and prudence. It permeates creative programs of study that strive to integrate reason and learning with prayerful faith, hope, and love.

The College, moreover, stands ready to enter into dialogue and collaboration with all who share its love of truth. It respects those of other beliefs and convictions, welcoming their contributions in the common pursuit of truth, goodness, and justice.

The mission of Saint Michael's College, therefore, is to provide a liberal education in the light of the Catholic faith and its developing tradition. Thus the College encourages its students to value both human life and learning, but also to cherish transcendental realities. It helps them investigate and evaluate all aspects of existence—creation, the person, society—in relation to those realities and especially in relation to God.

Further, based on its commitment, the College firmly adheres to a foundation of integral values that both inform decision making and direct unselfish action. It guides its students toward orderly participation in the Catholic social endeavor. Such endeavor prepares each person for what he or she must be and must do in order to fulfill human nature and to attain the final goal for which all persons were created. Thus the College promotes a true sense of personal and professional vocation pervaded by the Christian spirit of freedom and charity. It fosters a fruitful, virtuous, and happy lifetime enhanced by intellectual, moral, and civic excellence.

Finally, the entire Saint Michael's College Community challenges itself to envision, with ever-present newness and joy, the wonder and beauty of being, of what might be.

Saint Michael's College is accredited by the New England Association of Colleges and Secondary Schools. The College is a member of the National Commission on Accrediting, of the American Association of Colleges, of the American Council on Education, of the National Catholic Educational Association, of the National Conference of Church Related Colleges, and of the College Entrance Examination Board.

Saint Michael's College was opened in 1904 by the Fathers of the Society of St. Edmund, a religious congregation organized in France in 1843 and active in education since 1879. Having come to the United States in the late nineteenth century, the Edmundites founded the College in Winooski Park, Vermont, near Burlington and between Lake Champlain and the Green Mountains.

The College was combined with a high school in those early years. In 1931, however, the high school was discontinued. During these years the College itself was growing slowly and by World War II had reached an enrollment of about 250 students.

AFTER WORLD WAR II

After the War the College expanded rapidly toward its present enrollment of about 1500 students. To accommodate the increased numbers, the College administration transported to the campus a large number of wooden buildings from Fort Ethan Allen, a nearby military post. These have since been replaced with permanent structures.

In the years after World War II, the faculty and administration also developed the program of studies known as the "Saint Michael's Plan." This featured a core of courses in Philosophy, Theology, English, Humanities (Literature and History), and the Sciences, which all students had to take. The Saint Michael's Plan, in addition, required each student to concentrate in one subject but it also allowed him to elect a number of courses according to his own interests. The purpose underlying the Saint Michael's Plan was the intellectual growth of the students. In working toward this goal the College authorities also sought to develop men whose values were formed according to the principles of Catholicism.

IN THE SEVENTIES

Saint Michael's College has undergone further changes recently which are making the 1970's a new phase in its history. One of the most important changes is a new relationship between the College and the Edmundites.

The Edmundites, through most of the College's history, provided its administrative officers and many of its faculty. Edmundite expansion into missionary work in the southern United States, in South America, and in Canada, however, has absorbed many of their men. For the welfare of the College they made provision, therefore, that the president of Saint Michael's College need no longer be an Edmundite. As a result, Dr. Bernard L. Boutin, a layman, became president in June 1969. The President now is Dr. Edward L. Henry, Ph.D., an outstanding educator and second lay President in college history. He is, of course, responsible to the Board of Trustees, at least half of whom must be Edmundites. Their influence in the operation of the College has thus been preserved.

The Saint Michael's Plan of Studies has also been changed. By vote of the faculty the core curriculum, as of September 1971, was discontinued. In its place, students are now required to elect a stated number of courses from specified areas of study. The courses themselves are no longer specified. Saint Michael's College will nevertheless remain dedicated to education in the liberal arts since the disciplines represented in the core curriculum are also represented in the new requirement.

The Campus is divided into two sections: the Main Campus and the North Campus. These areas are about a mile apart but are connected by bus service operating at fifteen-minute intervals.

The buildings on the Main Campus are organized about the axis formed by the College Chapel, actually named the Chapel of Saint Michael the Archangel, and the Jeremiah Kinsella Durick Library. The prominence and distinctiveness of these buildings emphasize the spiritual and intellectual goals to which Saint Michael's College is dedicated.

The College Chapel is the scene of many Campus activities. Masses are scheduled there according to the convenience of the students and the students in turn participate in the liturgy of these celebrations. Many other College functions have also been held there. Plays, concerts, commencement ceremonies are among them.

The popularity of the Chapel for weddings and baptisms guarantees its place in the memories of both students and graduates. All of this testifies that the religious impulse at Saint Michael's College is very much alive.

Another building on the Main Campus which deserves mention is the Holcomb Observatory. This is one of the few astronomical observatories in Vermont and the only one in the Burlington-Winooski area.

The Vincent C. Ross Sports Center provides a gymnasium for intercollegiate and intramural competition in a variety of sports, a swimming pool and facilities for individual recreation. The McCarthy Fine Arts Center, with a recital hall, drama hall and music practice rooms, is the most recently completed building on campus. Construction of a new residence hall for the Main Campus will begin in the Spring of 1978. The other buildings on the Main Campus are identified on the following page.

The North Campus is an area on a discontinued military post that the Federal Government turned over to Saint Michael's College. The department of Modern Languages and the program for teaching English to International Students are housed in the Dupont Language Center. The Business Administration, Political Science and Psychology departments are located in Sullivan Hall. The Art and Journalism departments are located in the Sloane Art Center.

The College's other buildings on the North Campus are identified on the accompanying representation.

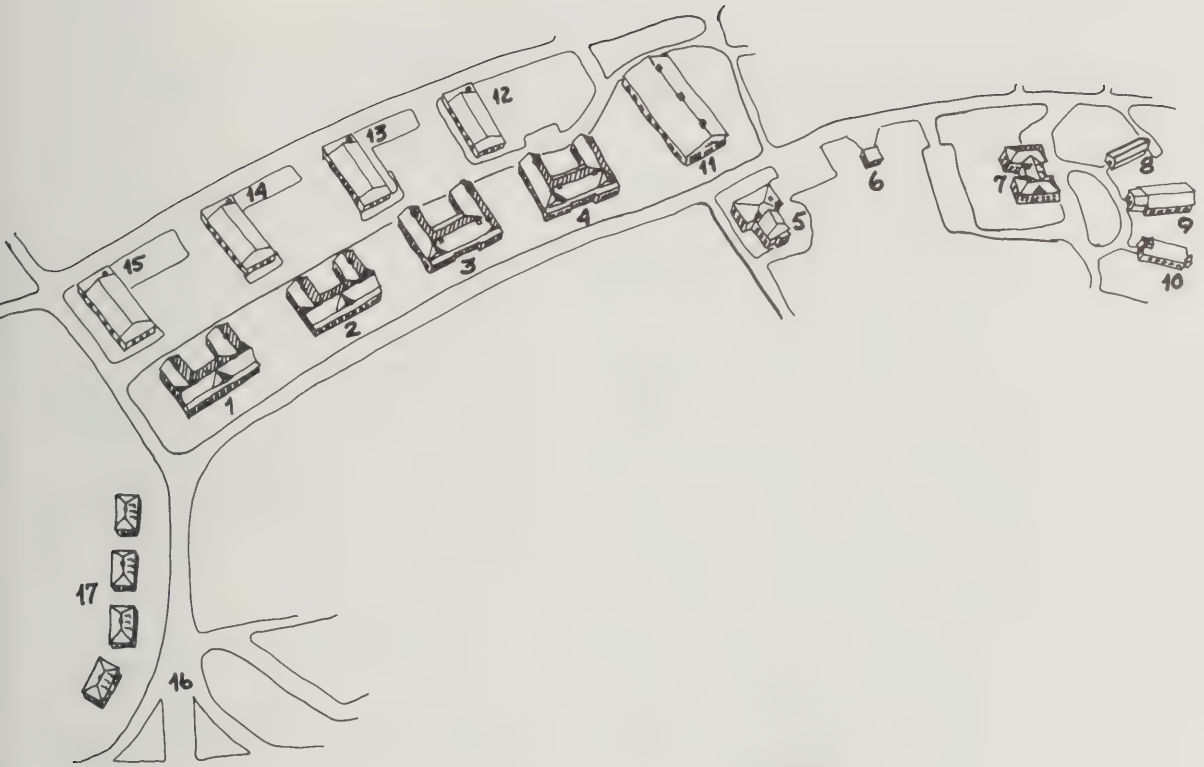
THE LIBRARY

The Durick Library was designed to provide comfort for students and an atmosphere conducive to study. It was equipped and furnished with the same purposes in mind. It provides study space for about 600 students and was designed to hold approximately 100,000 volumes. The library collection is now about 98,000 volumes, including bound serials and books. The library also has the equivalent of some 30,000 volumes in the areas of American Studies and English Literature. This splendid augmentation was possible through the reproductions of these collections on micro-text. More collections on micro-text will be added as they become available. Library hours are arranged for the convenience of the students.



ST. MICHAEL'S COLLEGE — THE
MAIN CAMPUS

- | | |
|---|---|
| 1. Ross Sports Center | 15. Nicolle Hall |
| 2. Durick Library | 16. Joyce Hall |
| 3. McCarthy Arts Center | 17. Ryan Hall |
| 4. Klein Center | 18. Alumni Hall |
| 5. Jemery Hall | 19. Lyons Hall |
| 6. Holcomb Observatory | 20. Baseball, Football, Soccer Fields |
| 7. Prevel Hall | 21. Field Hockey |
| 8. St. Edmund's Hall | 22. Interchange 15 — Route I-89 & Vt.
Route 15 |
| 9. Senior Hall | 23. Vermont Route 15 to North Campus
— 1 mile |
| 10. Founder's Hall | 24. George D. Aiken Mall |
| 11. Health Center | 25. Basketball and Tennis Courts |
| 12. Cheray Science Hall | 26. Rescue Squad-Garage |
| 13. Chapel of St. Michael the Archangel | |
| 14. Alliot Hall | |



THE NORTH CAMPUS

1. Hamel Hall
2. Purtill Hall
3. Dupont Language Center
(and International Student Program)
4. Sloane Art Center
(Air Force ROTC)
5. Linnehan Hall
6. Sutton Fire House
7. Sullivan Science Center
8. Building 905
9. Herrouet Theater
10. Building 907
11. Gymnasium
12. 1415 — Buildings and Grounds
13. 1410 — Computer Center
14. 1405 — Trades Shop
15. 1400 — Receiving
16. Vermont Route 15 to Main (South)
Campus — 1 mile
17. Student Apartments

Saint Michael's College believes in...and practices . . . non-discrimination. It does not, and will not in the future, discriminate against applicants for admission or for employment, students or employees on the basis of race, national or ethnic origin, color, religion, age, sex or handicap in the administration of its educational policies, employment practices, admission policies, scholarship and loan programs, and athletic or other college administered programs. Saint Michael's College practices non-discrimination in the context of its Catholic faith and heritage.

Applicants for admission as students, as well as applicants for employment and employees are protected from sex discrimination under the provisions of Title IX of the Education Amendments of 1972. The College Equal Opportunity Coordinator is Mr. Donald L. Larson, Founders, Saint Michael's College, Winooski, Vermont 05404.

The academic records of students are in the custody of the Director of the Student Information Center/Registrar. These records are considered confidential and are managed generally according to the *Guide Developed by the Committee on Records Management and Transcript Adequacy of the American Association of Collegiate Registrars and Admissions Officers*. Transcripts of a student's work are usually released only at the request of the student. Academic information released concerning students otherwise is generally limited to date of birth, dates of enrollment at Saint Michael's College and degrees earned here, home and local addresses, and verification of signature. The College adheres to both the spirit and the letter of The Family Educational Rights and Privacy Act of 1974.

CHANGES

Saint Michael's reserves the right to change various prices and policies without prior notice. We will, however, make every effort to notify your school, or you, of significant changes.

FAMILY EDUCATION RIGHTS AND PRIVACY ACT OF 1974

The Family Educational Rights and Privacy Act of 1974 pertains to student educational records maintained by Saint Michael's College. The Act states that students, and parents of dependent students, can have access to their educational records and at the same time the Act protects the rights to privacy of students by limiting the transferability of records without their consent. The following guidelines are presented to assist all members of the Saint Michael's community to understand the provisions of the Act as they apply to Saint Michael's College.

I. COLLEGE POLICY ON STUDENT ACCESS TO EDUCATIONAL RECORDS

All students and former students will have access to their educational records upon written request to the applicable office. Each office will comply with all requests within a reasonable length of time, but not later than forty-five days from the date of the written request. Educational records include academic records, confidential letters and statements.

Records not covered by the Act include any record received prior to January 1, 1975, financial records of parents, private notes of faculty and administrative officers, law enforcement records, and medical or psychiatric records. A physician or psychiatrist may review medical or psychiatric records if requested by a student.

Students may waive, in writing, access to recommendations and evaluations. A waiver must be filed with each individual office. The Act does not provide for blanket waivers of access to all educational records.

A student who requests access to an educational record is expected to present valid identification and to use good judgment as to the time and work problems of the office in which the records are maintained.

Students may request copies of any educational record at the cost of \$1.00 for the first page and 10¢ for each additional page per request.

To maintain both tradition and the validity of student assessment, the college regards as its property all materials submitted in partial fulfillment of course requirements. These may be returned at the instructor's option.

II. COLLEGE POLICY ON RELEASE OF CONFIDENTIAL RECORDS

The college will not release any educational record concerning any student or former student, unless a written statement authorizing such a release is received from the student or former student. Exceptions to this policy are:

1. Faculty and staff members have legitimate educational interests in the record.
2. Authorized federal and state officials in the process of administering educational programs.
3. Requirements of administration of the Financial Aid Program
4. Accrediting organizations in carrying out their accrediting function.
5. Parents of a dependent student.
6. Directory information (See III, below).
7. Organizations conducting studies on educational programs, provided that the identity of the student is not revealed.
8. In an emergency situation involving the health or safety of the student or other persons.

The college will advise all recipients of student records that only authorized persons may see the records. Each college office will keep a record of all individuals requesting or receiving student records except as noted in item 1, above.

III. DIRECTORY INFORMATION

The college will, in the course of the school year, release to the public certain information regarded as directory data. If a student desires this information not to be publicized, he/she must request in writing on an annual basis that such

information not be published. Saint Michael's College considers the following to be "Directory Information."

Name and Address
 Telephone Number
 Date/Place of Birth
 Academic Concentration
 Height/Weight (athletic team members)
 Dates of Attendance
 Degrees and Awards
 Previous School Attendance

IV. HEARINGS

A student may challenge any educational record that he/she feels to be inaccurate, misleading, or a violation of privacy. This policy does not apply to academic grades received for course work except when there is reason to believe that an error was made in recording grades to the transcript.

When a student desires to challenge a record, every effort should be made to resolve the question with the office involved. If this is not possible, the student must submit in writing to the coordinator of the Family Educational Rights and Privacy Act of 1974 (Mr. Donald L. Larson) a statement outlining the alleged inaccurate, misleading or inappropriate data or statement contained in the record. The coordinator will appoint an impartial college official who will conduct a hearing within 45 days of the written request. The results of the hearing will be transmitted in writing to the student and all other parties involved. The student may appeal the decision to the president of Saint Michael's College. The president's decision will be final.

The above policy statement is subject to amendment from time to time and is also subject to approval by the Board of Trustees.



Most of the students at Saint Michael's College live in dormitories which are situated on both campuses. The obvious advantage of residing on campus is proximity to teachers, the library, and the other facilities that the College provides for students. Life in the dormitories can be pleasant but it does require an adjustment. Difficulty in making the adjustment often results in academic problems.

A student having difficulty in adjusting to campus life can receive help from many sources. The resident advisors provide counseling and information for students having difficulties.

The student who needs help can be assured of attention by approaching his faculty advisor, the Academic Dean, or The Director of Student Affairs. If the student's problem is something that cannot be handled by the personnel mentioned above, he may receive the help that he needs through several other sources. The Student Resource Center is one such source. The members of this staff are prepared to offer academic counseling and testing as well as counseling that pertains to the personal need of students. Confidentiality is assured. The Chaplain and his Assistant also join with students in helping with personal problems and with self development and awareness. Finally, where student health is involved, the medical personnel associated with the College are available to the students.

Life in the residence halls and on campus is governed by the "Student Code," which was developed by a committee composed of faculty, administrators, trustees, and students. This code has been formally approved by the Board of Trustees and is reviewed periodically. Every student receives a copy of the Code. According to the Code the residence halls are divided into Houses, which are the units by which the student government functions. A major advantage of the House system is that it allows students to organize activities and to control areas of their lives.

Students at Saint Michael's College participate in the government of the College in other ways too. The Student Senate appoints voting representatives to major faculty committees. Students also are members of the Standing Committees which report directly to the

Board of Trustees on finance and budget, development, candidates for honorary degrees, and educational policy.

The House system also provides the organization for the intramural athletic program. This features competition in such sports as touch-football, basketball, swimming, volleyball, hockey, and softball. Winning teams and starring individual performances in this program are recognized at an awards banquet held in the spring, at which trophies and prizes are given. Many extracurricular activities of course have no relation to the House system. The plays that are presented by students in cooperation with the Department of Fine Arts are examples, as are the concerts by the Wind Ensemble, chorale, glee club and jazz band.

The students also publish a campus newspaper, *The Michaelman*; a literary publication, *Onion River Review*; and a yearbook, *The Hilltop*. These enable students to obtain experience in writing and publishing. Radio Station WWPV-FM offers a similar opportunity for students interested in radio work. The College provides offices and studios for those who work on these projects.

Students at Saint Michael's College may also enjoy the many cultural activities in the Burlington area. The college itself sponsors a lecture and concert series which in the last few years featured Max Lerner, Rosellen Brown, R. V. Cassill, Frank Mankiewicz, Maurice Lavanoux, Russell Kirk, and Issac Bashevis Singer.

During the 1977-78 academic year, the college brought to campus the National Players, the nation's oldest touring theater company, Bob Walters and Eugene Beam, Woodrow Wilson Fellows, and an Alcohol Awareness Week featuring Fr. Martin and David Toma. Coffee houses, dances and concerts are also popular events on campus.

The University of Vermont, about three miles from Saint Michael's College, also sponsors many interesting events. Their Lane Series alone brings twenty or more artistic performances over the academic year.

Trinity College in Burlington, a Catholic college for women conducted by the Sisters of Mercy, has a concert and lecture series also.

Many students visit Montreal, a rich

cultural center. Finally, Vermont's rich natural resources provide a variety of outdoor recreational opportunities, from skiing to hiking, camping, and canoeing.

STUDENT RESOURCE CENTER

The Student Resource Center provides services for the academic, personal and career needs of students. While individual counselors are prepared to offer individual help, programs are also available within group settings which serve to promote student growth and progress. Service/learning is a developing new program now offered by the Center. Testing services are available. A personal and confidential response to student needs is stressed.

THE PLACEMENT OFFICE

The aim of the College Placement Office is to assist students and alumni in career job seeking by providing various sources of employment information. The Placement library contains permanent, part-time and summer job listings; a wide selection of graduate catalogues and information on post-graduate training and internships. Company brochures and reading materials on career opportunities and occupational fields are also made available.

Another Placement activity is the campus interview program which offers students the opportunity to interview with representatives from a number of business firms seeking potential employees and graduate programs promoting student enrollment. Seniors and alumni may start placement files for their letters of recommendation and resumes. These records are kept as permanent files at the Placement Office and are available to be sent out upon request to prospective employers, graduate schools and scholarship committees. In addition, assistance with resumes and job referrals are also a part of the services provided.

HEALTH SERVICE OF ST. MICHAEL'S COLLEGE

The Health Service facility, located in Founders Hall, provides both out-patient and in-patient services. The facility is staffed full-time by a family nurse practitioner and registered nurses experienced in providing health service to the college-age student. Health education on an individual and group basis comprises an important component of the services.

Daily visits to the facility are made by consulting physicians. The St. Michael's Rescue Squad, nearby Fanny Allen Hospital and the Medical Center Hospital of Vermont provide excellent auxiliary services. Staff for the facility are listed below:

Director of the Health Services:

Jane P. Campbell, RN, BS, FNP

Nursing Staff:

Mary A. Bove, RN

Mary Ann Wiemann, RN

Erma Haley, RN, CRNA

Bea O'Neill, RN

Thelma Snow, RN

Medical Director:

Robert E. O'Brien, MD, Diplomat
American Board of Internal
Medicine, FACP, Prof. of Clinical
Medicine, University of Vermont
Medical School

CONSULTING PHYSICIANS

John R. Fitzgerald, MD, Internist and instructor in clinical medicine, University of Vermont.

E. Douglas McSweeney, MD, Surgeon, Diplomat American Board of Surgery. Associate professor in clinical surgery, University of Vermont.

Wilfred Thabault, MD, Obstetrician, Gynecologist. Professor of obstetrics and gynecology, University of Vermont.

ORTHOPEDIC CONSULTANTS

James E. Simpson, MD, Orthopedist, Diplomat American Board of Orthopedics, Assistant Professor in Clinical Orthopedics, University of Vermont.

Patrick Mahoney, MD, Orthopedist.

CONSULTANT IN PSYCHIATRY

Gerald McGinniss, MD, Psychiatrist, Assistant Clinical Professor of Psychiatry, University of Vermont.



Application for admission must be on the form provided by the College. This form and all information about admission may be obtained by writing to the Director of Admissions.

The completed application form is evaluated by the Director of Admissions and by the Committee on Admissions. Several factors are taken into consideration in judging admissibility: the applicant's grades and standing in the high school graduating class, the recommendations of counselors and teachers, and scores attained on the Scholastic Aptitude Tests administered by the College Entrance Examination Board, or the American College Test.

Applicants should have followed a secondary school program which includes four years of English, three years of mathematics, two years of physical sciences, and two years of social studies. Additional preparation may be required of applicants according to the program of their interest.

Applicants for the concentrations in American Studies, English Literature, Fine Arts, History, Philosophy, Political Science, and Sociology should have completed two years of a modern language. Applicants for concentrations in the sciences should have completed Biology, Chemistry and Physics.

A fee of \$15.00 is charged for processing an application. This is non-refundable.

ADMISSION OF SPECIAL STUDENTS

Students who are not candidates for degrees may be permitted to enroll for particular courses. They are given no class rating and are not eligible for academic honors. If they enroll for less than 12 credit hours they are charged at the rate of \$100.00 per credit hour. If they take 12 hours or more they are considered full-time students and are charged accordingly.

ADMISSION TO ADVANCED STANDING

Qualified applicants who have earned the Associate in Arts Degree at an accredited two-year college will usually be admitted to Saint Michael's College with junior standing. This means that they may qualify for the baccalaureate after completing 20 single semester courses if they meet the distribution requirements and the requirements of the concentration in which they enroll.

Students seeking to transfer to Saint Michael's College must be in good standing at the institution they have previously attended. Credit may be transferred for work completed elsewhere with a grade of C or better provided that the courses correspond to offerings at Saint Michael's. Credits are considered for transfer only if an official transcript of such credits is submitted by the applicant prior to his admission. A transfer student may be required to pass an examination to determine his readiness to enter a course or program. No advanced standing is officially recorded by the registrar until the transferred student has successfully completed one full year at Saint Michael's College.

All students who transfer from another college must be in residence at least one full academic year immediately preceding their graduation. They must earn a minimum of thirty credits at Saint Michael's College.

Further information about advanced standing may be obtained from the Director of Admissions.

If a student is accepted by St. Michael's College it is with the understanding that he or she agrees to abide by all the rules and regulations set forth in the Student Guide, Catalog and other published documents.

Five courses a semester constitute the normal program. For statistical purposes students taking only four courses a semester are still considered full-time students.

Sophomores, juniors and seniors whose quality point average at the end of the previous semester was 3.0 may take a sixth course without charge. This course may be taken on a Pass-Fail basis, provided the student so notifies the instructor at the beginning of the course. Other students may take a sixth course, with the permission of the Academic Dean, at the charge of \$60 per credit.

DEGREE REQUIREMENTS

To earn the Degree of Bachelor of Arts, a student must:

1) Complete at least 40 courses, exclusive of freshman and sophomore AFROTC courses, and earn a minimum of 120 credit hours;

2) Complete all requirements of one of the degree programs;

3) Maintain a quality point average of at least 1.8 in all courses and 2.0 in concentration courses.

4) To be applicable for graduation a course must carry a minimum of three credits and a maximum of five credits. Courses carrying less than three credits may coalesce into a single course toward fulfillment of the 40 course requirement.

Pass/Fail Option: Students will make their selection of the course they wish to take on a Pass/Fail basis *during registration period*. (First two weeks of semester.) A special Pass/Fail form must be filed in the Registrar's Office. Such a course may not be a required one nor may it be part of the student's concentration.

Sophomores, juniors, or seniors may carry a sixth course to make up a failure. They will pay for it at a rate of \$60 per credit hour. *In no case may a student register for more than six courses in any semester.*

OFF-CAMPUS STUDY OPPORTUNITIES

Qualified juniors and seniors carrying a 3.0 average or better may be permitted to engage in independent study, internships, or fieldwork to which varying amounts of credit are attached. In the recent past, Saint Michael's students have availed themselves of this privilege at the Oak Ridge Laboratory, the Armed Forces Radiobiological Institute, Vermont Educational Television Network, Champlain Valley Sheltered Workshop and other centers of research and experience. Interested applicants must begin the advisement process during the semester preceding the proposed endeavor. The Coordinator of Service Learning will assist students in preparing the required study agreement.

Independent Study: Successful applicants for off-campus study opportunities to which academic credit is attached will be charged the usual rate of tuition. If need is properly demonstrated or if merit scholarship assistance is appropriate, the Director of Financial Aid should be consulted.

For independent course work, a student must seek the approval of a faculty sponsor, the Department Chairman, and the Academic Dean. An approval form must be filed with the Registrar. The fee is one hundred dollars. This procedure may be followed only when the desired course is not currently scheduled.

Independent research which contributes to the student's fuller understanding of a subject not covered in regular courses will be authorized for qualified applicants. It is limited to a maximum of six credits.

Internships are usually full-time, full-semester projects, normally off-campus. They must constitute significant learning experiences in every instance. Applicants are required to have attained at least junior status and to have completed prerequisite courses. Internships carry a maximum of fifteen credits.

COURSE DETERMINATION AND CHANGES

Preregistration. Students arrange their schedules in a preregistration period (normally in December and again in April) after consultation with their advisors. *For the April preregistration only*, an advance deposit of \$100 is required of each student who preregisters for the following academic year. This must be paid by April 1. No student will be allowed to preregister without certification of payment by the College Treasurer. This deposit is non-refundable unless the Registrar is notified in writing by July 1 that the student who paid it will not return to St. Michael's College. The deposit is credited to the tuition of students who do return. In addition to the \$100 deposit, a late fee of \$25 will be charged to any student not completing preregistration during the scheduled period in April.

Registration. Students formally register for courses at the beginning of each semester. (Please see Academic Calendar.) Students who are late in registering at the beginning of the semester will be charged a fee of \$10.

Change of Course or Section. Students may, without charge or penalty, request a change of course or section up to and including registration day of either term. They may also make such requests after one class meeting during the first week of class, in either term, without charge. All changes made after the first week of classes will carry a fee of \$5 payable at the time of the request for change. If the change cannot be approved the fee will be refunded. The last days for course or section changes are two weeks after the first class meeting of the semester.

A student wishing to make a course change should make this request through the Student Information Center. The student is responsible for notifying instructors involved when a course or section change is made.

CLASS ATTENDANCE

Students should understand that the main reason for attending college is to be guided in their learning activities by the teachers to whom they are assigned. This guidance takes place primarily in the classroom and laboratory. Each meeting of these is important. So, the following policies have been established:

- (1) Members of the teaching faculty are expected to meet all scheduled classes unless prevented by illness or other emergencies.
- (2) Students are expected to attend all scheduled classes.
- (3) The instructor of a course may allow unexcused absences equal to the number of class meetings per week. Additional unexcused absences will be considered excessive.
- (4) The instructor will report excessive absences to the Academic Dean who will warn the student.
- (5) If unexcused absences continue, the Academic Dean may remove the student from class.

EXAMINATIONS, GRADING SYSTEM

Tests may be held at any time during a semester course at the discretion of the instructor. Final examinations are given at the appointed times at the end of each semester. Final examinations may not be omitted without the approval of the Academic Dean.

Make-up examinations are given to students who are legitimately absent from a final examination. Request for make-up examinations are made to the Academic Dean. Students who are suspended for disciplinary reasons are not eligible to take examinations or to make them up, unless such permission is given at the time of suspension.

Seniors, in their last semester, may be exempted from final examinations, provided they have a B average in the course and permission of the instructor.

The permanent grade in each course is based upon class work and the final examination. Each instructor determines what weight is to be given to each.

Instructors report grades to the

Registrar four times a year. They report final course grades at the end of each semester, they report grades of D and F at mid semester. The Registrar, when appropriate, notifies parents of final grades at the end of the semester and of D and F grades at mid-semester.

Grades are reported and recorded by letters which indicate the following quality:

- A — Superior
- B — Above average
- C — Average
- D — Poor
- F — Failing

Student averages and rank in class are computed on a quality point basis. In this system:

- A = 4
- B = 3
- C = 2
- D = 1
- F = 0

To determine the quality points earned for a particular course, multiply the number equivalent to the letter grade by the credit hours assigned to the course. For credit notations see the descriptions of particular courses starting on page 37 in this catalogue. Thus an A in Biology 101 (4 semester hours) earns 16 quality points (4 quality points X 4 semester hours).

To arrive at the quality point average, add the quality points for all courses. Then divide this sum by the number of semester hours attempted.

Instructors may also use the following letters in reporting grades:

- I — Some course assignments have not been completed. This is not a permanent notation.
- X — Student was absent from the final examination. This is not a permanent notation.
- WD — Student withdrew from course without penalty.

Notes of I, X and WD are not computed in the student's average. An I must be made up within six weeks of the beginning of the semester following the assignment of the notation. A record containing such notation is not eligible for honors in the semester in which it was incurred. After make-up of an I or X, a new average will be computed and the student's record corrected. If an I or X is not made up the final grade in the course becomes F.

DEAN'S LIST, GRADUATION WITH HONORS

A student who achieves an average of at least 3.0 at the end of the semester with no grade below B is cited on the Dean's List.

Students who maintain the averages specified below receive their degrees with honors listed:

Cum laude — 3.25

Magna cum laude — 3.6

Summa cum laude — 3.9

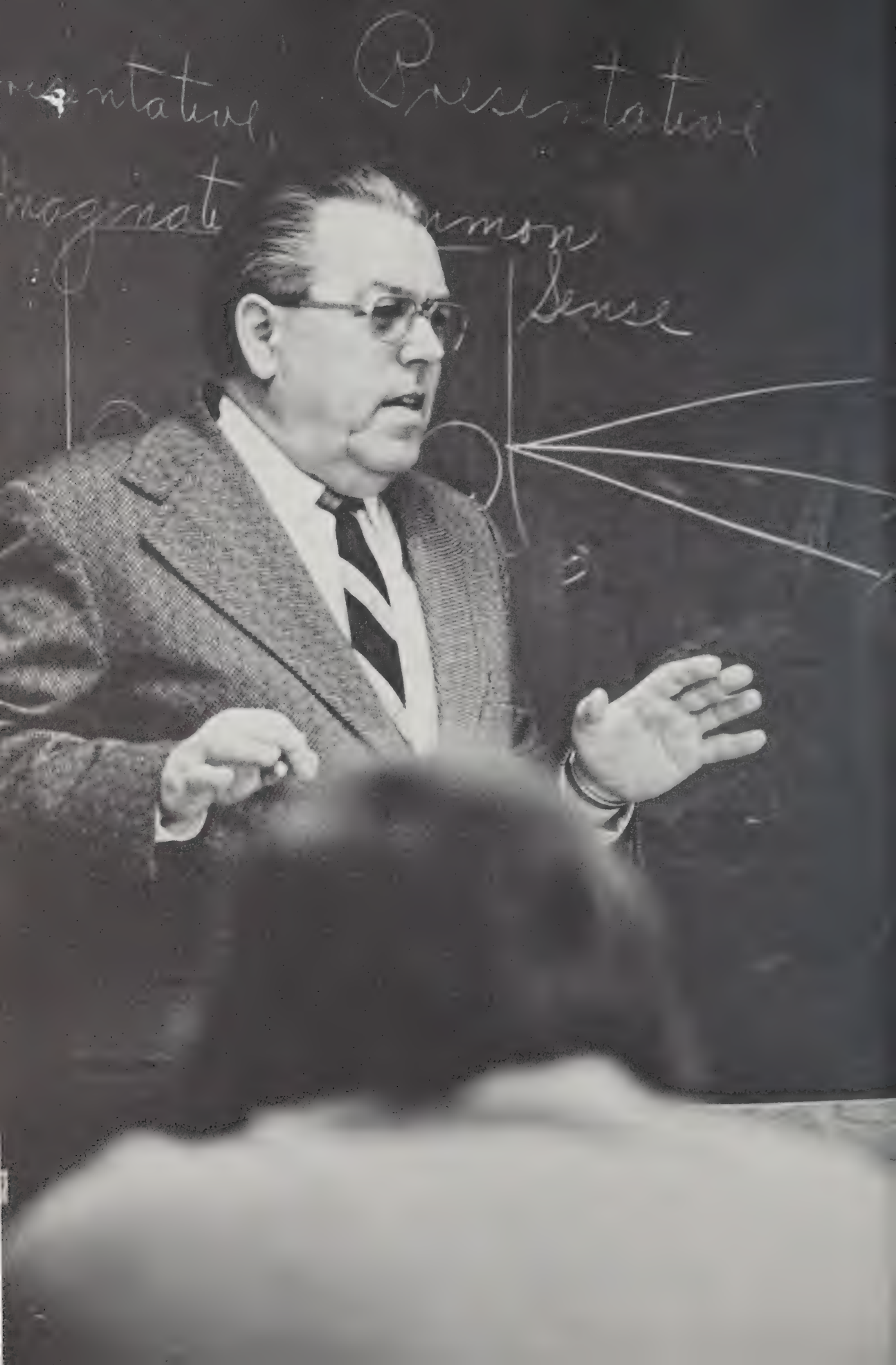
ACADEMIC STANDING

If a student fails one or more courses he is placed on WARNING and so notified. When a student is below the qualifying average he is placed on PROBATION and so notified. This qualifying average escalates from 1.2 in the first semester of the freshman year to 1.4, 1.5, 1.6, 1.7, and 1.8 in each of the following semesters. Two consecutive semesters on probation will lead to the student's dismissal.

Before dismissal the student's record will be considered by an Academic Review Board which will recommend appropriate action to the Academic Dean.

Although the procedure listed above generally applies, Saint Michael's College reserves the right to dismiss at any time, without giving additional reason, students whose conduct or academic standing it judges to be unacceptable. Neither the College, nor the officers, nor Trustees of the College, will be under any liability for such dismissal.

A student who withdraws from Saint Michael's College must complete a withdrawal form and return it to the Student Information Center. Unless he/she does so, and thereby formally withdraws, there is no remission of tuition and fees.



THE CURRICULUM

To qualify for the baccalaureate degree a student must complete successfully a minimum of 40 semester courses exclusive of freshman and sophomore AFROTC courses. A qualification to this requirement is that the 40 courses must carry a minimum of 120 credit hours. Since most courses are evaluated at either 3 or 4 credit hours, completion of the 40 courses usually fulfills the credit requirement automatically. Students usually carry 5 courses per semester. *A student carrying 4 courses per semester is considered a full-time student.*

Among the 40 courses:

10 must be taken according to the distribution requirement described below;

10 to 15 must be in concentration, as indicated in the description of individual concentrations;

15 to 20 shall be elected by the student.

DISTRIBUTION
REQUIREMENT

A student at Saint Michael's College must take 2 courses (6 credits) from each of the following areas of study. The total distribution requirement is 10 courses (30 credits).

HUMANISTIC STUDIES

American Studies
Classics
Fine Arts
History
Humanities
English Literature
Modern Language

NATURAL SCIENCE

Astronomy
Chemistry
Biology
Mathematics
Physics

PHILOSOPHY

RELIGIOUS STUDIES

SOCIAL STUDIES

Business Administration
Economics
Education
Journalism
Political Science
Psychology
Sociology

A student must take at least 5 of the required courses in his freshman year. Many students take all 10 of the required courses in their freshman year, but this depends upon individual programs.

The purpose of these required courses is to introduce students to the concepts and principles of particular disciplines beyond the field of their concentration.

CONCENTRATIONS

Students may concentrate in the following areas of study: American Studies, Biology, Business Administration, Chemistry, Classics, Economics, English Literature, Environmental Science, Fine Arts, History, Journalism, Mathematics, Modern Languages and Literature, Philosophy, Physics, Political Science, Religious Studies, Psychology and Sociology. The requirements of particular concentrations are listed with the department course descriptions.

SPECIAL CONCENTRATIONS

A student may follow a special concentration by combining courses from different departments and programs according to the following regulations:

- The student must have the sponsorship of a faculty member who agrees to direct the program;
- The student must justify in writing the concentration that he proposes and demonstrate its coherence.

The program must be approved by the Committee on the Curriculum & Educational Policy.

Applications for a special concentration must be submitted before the end of the sophomore year.

ELECTIVES

The electives enable students to enrich their programs by taking courses that they have personal reasons for taking. The courses may or may not be related to the concentration. The students are also enabled in this way to support their concentrations by working out other patterns of relevance. Electives are usually chosen in consultation with a departmental advisor.

ADVANCED PLACEMENT PROGRAM

Saint Michael's College participates in the Advanced Placement Program of the College Entrance Examination Board. Students who have taken accelerated courses in high school and who score three or above on A.P. Exams *will be considered* for college credit, course waiver or both.

COLLEGE LEVEL EXAMINATION PROGRAM

Saint Michael's College participates in the College Level Examination Program (CLEP). The Educational Testing Service of Princeton, New Jersey has prepared standardized tests which are designed to measure college-level learning acquired through independent reading, job-training, television programs and other non-traditional sources. Students enrolled at Saint Michael's may submit scores of these CLEP examinations to be evaluated for credit. Contact Saint Michael's College Registrar for detailed information.

CLEP examinations are divided into two areas:

- I. General Examinations which measure achievement in basic areas of liberal arts (such as Humanities and Natural Science). Saint Michael's College will usually grant credits if 60%ile minimum scores are attained.

- II. Subject Examinations which measure achievement in specific courses. These tests are used to grant exemptions from and credits for specific courses (such as American Government, Business Law, Educational Psychology, and English Literature). CLEP scores at or above the 60%ile can be used to fulfill distribution or prerequisite requirements. No more than 6 credits can be given for any one subject examination, and no more than a total of 30 credits will be accepted by Saint Michael's College for CLEP examinations.

JUNIOR YEAR ABROAD

Saint Michael's College cooperates with various American agencies and European centers in providing for interested students an opportunity to study abroad. To qualify, such students must have at least a 3.0 average.

During their sophomore year they must seek authorization for the program of their choice by obtaining a form from the Registrar's Office. This form will be signed by the student's advisor, his department chairman, and the Academic Dean. The signatures indicate prior approval of the overseas courses to be taken. By exception, sophomores may be approved for study abroad; seniors are not granted approval.

The Department of Aerospace Studies provides preprofessional preparation for future Air Force Officers. The curriculum is designed to develop career-oriented men and women who can apply their liberal arts education and AFROTC experience to their initial active duty assignments as Air Force Commissioned Officers. **AFROTC is open to all college majors.** In addition to the formal course of study shown under the Department of Aerospace Studies listing, pilot candidates participate in a 25 hour Flight Instruction Program during their senior year. Extracurricular activities such as visits to Air Force bases, orientation rides in Air Force aircraft, social activities, participation in the Marching Saints Drill Team, and honorary society membership are available for interested students. Students who participate in the four-year program attend a four-week training session at an Air Force base in the summer between the sophomore and junior years. The two-year program is available to students who did not have the opportunity to take the freshman and sophomore ROTC courses or do not elect to do so. It is also available to transfer students who will spend a minimum of two years at St. Michael's College, either in undergraduate or graduate status. Selection for this program is on a competitive basis. Any students interested in the two-year program should contact the Department of Aerospace Studies during the first semester of their sophomore year. Those selected will attend a six-week Field Training session at an Air Force base in the summer between their sophomore and junior years, and then enter the Professional Officer Course (AS 301-303) during their junior year.

Scholarships. Air Force ROTC College Scholarships provide full payment of tuition, laboratory fees, textbooks, and a tax-free payment of \$100 per month while the student is in school and on scholarship status. High school seniors can apply for the four year AFROTC College Scholarships (these scholarships are extremely competitive with approximately 1 out of every 12 qualified applicants receiving a scholarship). Applications for these four year scholarships must be submitted by 15 December in the senior year. Three and two year scholarships are available for qualified freshmen and

sophomore students at St. Michael's College. A minimum GPA of 2.5 is required; in addition, the applicant must satisfactorily complete the Officer Qualifying Test and an Air Force physical. These will be scheduled by the Department of Aerospace Studies. (NOTE: Over 50% of the nominees for three and two year scholarships are selected).

Subsistence Pay. All students in their last two years of AFROTC receive tax-free subsistence pay of \$100 per month.

Uniforms. Uniforms are furnished at no cost. Students are responsible for the proper care and cleanliness of uniforms in their possession.

AFROTC Field Training is offered during the summer between the sophomore and junior years at selected Air Force bases throughout the United States. This is normally a student's first exposure to a working Air Force environment. Here they learn and make use of junior officers training and leadership techniques and participate in sports competition with other cadets. Students in the four-year program participate in four weeks of field training during the summer between their sophomore and junior years. Students applying for entry into the two-year program must successfully complete six weeks of field training prior to enrollment in AFROTC.

Army ROTC. Students at St. Michael's College may enroll in the Army ROTC program at the University of Vermont. (See pgs 39-40)

GENERAL FEES

The following fees, subject to approval by the College Board of Trustees and subject to change without notification, are required of all full-time students. The amounts shown are for the entire year, half of them due at the beginning of each semester.

Tuition	\$3,000.00
Room (Double room.	650.00
Single room \$100 additional)	
Board	800.00
Infirmary Fee	37.00
Student Activities	93.00
	<hr/>
	\$4,580.00

The latter charges entitle the student to use the facilities of the library, the infirmary and the gymnasium and to participate in the intramural athletic program. At the request of the Student Senate, \$10. of the student activities fee is allocated to club sports.

The infirmary fee provides for all services of the 24-hour-a-day, seven-day-a week Infirmary, located in Founders Hall.

The College also has available, at a cost of \$45, a hospital-medical-surgical plan. A brochure detailing the plan is available with the first semester billing. At the time of registration for the Fall semester a student will be charged \$45 for this insurance coverage unless he/she has a certificate clearly showing that he/she is insured under another hospital-medical-surgical plan. Due to rising costs of hospitalization, these charges may increase. Parents are encouraged to check company or personal hospital-medical-surgical plans to see if their son or daughter is covered under the provisions of that plan.

It should be clearly understood that the Athletic Department is *NOT* responsible for any expenses incurred through athletic related injury or illness. The Athletic Department does, however, cover each student-athlete in its varsity and club sports programs for a maximum health coverage of \$20,000 for athletically related injury with a DEDUCTIBLE CLAUSE of \$1500. This simply means that each student-athlete is responsible for the cost of any injury up to the amount of \$1500. Any expenses beyond that, for any single injury, are covered by our NACDA Policy of the Continental Agency Company, Salt Lake City, Utah.

TEXTBOOKS AND SUPPLIES

Each student is responsible for purchasing his own textbooks and supplies from the college bookstore. The estimated cost of all textbooks and supplies for the academic year is \$150.00. This amount will vary according to each program of study in which the student is enrolled.

ROOM AND BOARD

Room and board charges for college living centers are \$1,450.00 for the year, payable \$725.00 per semester. This includes twenty-one meals per week. Both single rooms and preferred housing will have differential charges.

A \$50.00 damage deposit is required of all students residing in college housing. This deposit will be refunded, less any charges for damage or breakage, when the student no longer resides on campus. Off campus students are required to maintain a damage deposit of \$25.00.

Students who do not reside on campus may elect to take their meals in the dining hall. Individual meal tickets may be purchased by any student at the food service office.

SPECIAL FEES

An application fee of \$15 is charged to all those who submit an application. This fee is not refundable and must be paid before the application is processed.

A laboratory fee of \$30 each semester is charged for each of the courses in laboratory science.

A laboratory fee of \$15 each semester is charged for Modern Language 103-5 and 203-5 courses.

A studio fee, specified in the course descriptions, is charged for some art courses.

A \$10 fee for all senior Second Semester concentrators in Business and Economics to cover the ETS program (\$5) and computer use (\$5).

Preregistration. Students arrange their schedules in a preregistration period (normally in December and again in April) after consultation with their advisors.

For the April preregistration only, an advance deposit of \$100 is required of each student who preregisters for the following academic year. (See page 20 for further information.)

Registration. Students formally register for courses at the beginning of each semester. (Please see Academic Calendar.) Students who are late in registering at the beginning of a semester will be charged a fee of \$10.

Change of course or section. Students may request a change of course or section up to and including registration day of either term without charge or penalty. They may also make such requests after one class meeting during the first week of class, in either term, without charge. All changes made after the first week of classes will be charged a fee of \$5 payable at the time of the request for change. If the change cannot be approved, the fee will be refunded. The last days for course or section changes are two weeks after the first class meeting within a semester.

Extra courses carried for credit or as audit by upperclassmen are charged at the rate of \$60 per credit hour.

Special students are charged at the rate of \$100. per credit hour plus library fee of \$10.

A graduation fee of \$40, charged to all seniors, covers the expenses of the diploma, and the rental of a cap and gown for the year. This fee is payable even though a graduate does not attend the commencement exercises.

Saint Michael's College has an arrangement with a vendor for laundry and dry cleaning service on campus. There is also a self-service laundry for student use on campus.

The College provides a linen and blanket rental service for students for a nominal fee: \$48 for linen for each academic year; \$13 per blanket for each academic year. Reservations for linen and blankets may be made upon arrival.

PAYMENT OF FEES

When a student is accepted for matriculation at Saint Michael's College he/she will be asked to make a guarantee deposit of \$100 within a specified time after receiving the notice of acceptance. This fee is not refundable but it will be applied to the student's semester accounts at the time of his/her registration.

All general fees are to be paid in full prior to the beginning of each semester upon receipt of a statement from the Treasurer's Office. Money orders or bank drafts should be made payable to *Saint Michael's College* and sent, preferably by registered mail, directly to the Treasurer.

For those parents who prefer to pay educational expenses in monthly installments, Saint Michael's College has approved the following plans: 1. The Tuition Plan, Inc. 2. College Aid Plan. 3. Insured Tuition Payment Plan. 4. Academic Management Services Inc.

Detailed information concerning these plans is mailed to parents each summer.

Special fees may have to be paid by the student after registration since many of the fees are determined only at registration.

With regard to the payment of fees the following regulations should be carefully noted:

1. No reduction in semester fees is made on account of the late entrance of a student.
2. Unless a student's accounts have been settled as indicated above, he/she will not be allowed to register in September or to continue in the second semester.
3. All accounts are due and payable at the beginning of each semester. Failure to make payment at that time will mean that the student will not be allowed to register or remain at the college. In certain cases, special arrangements may be made with the Treasurer's Office for late payment. Failure to compliance with such arrangements will result in dismissal of the student.
4. If a student leaves the College for any reason without having settled all his/her accounts, any request for transcripts, reports of grades, information concerning academic or disciplinary standing, et cetera, will not be honored by the College. Likewise, diplomas of graduating seniors will not be released until accounts have been fully settled.
5. No remission of fees will be made to students who are dismissed for disciplinary reasons or who withdraw unofficially.
6. Any scholarship awarded by the College, or over which the College exercises control, such as National Direct Loan funds, is credited to the student's account equally over both semesters. If a student is awarded \$400, for example, \$200 will go towards the payment of the first semester fees and \$200 towards the second semester fees.
7. Unless a student has already paid his/her accounts in full any money earned under the student aid program is credited to his account.

VETERANS PAYMENT OF FEES

Saint Michael's has available a special installment payment plan for students receiving education assistance from the Veterans Administration. Inquiries regarding the Veterans Payment Plan should be directed to the Treasurers Office.

REMISSION OF FEES

A student who withdraws from Saint Michael's must notify the Registrar at the time of withdrawal. Merely ceasing to attend classes does not constitute official withdrawal. The date of the official notice of withdrawal received by the college is the date used in computing any refund of tuition charges. There will be no refund on tuition if a student is suspended or dismissed. Refunds will be made by the Treasurer on a percentage basis according to the following schedule:

Withdrawal within two weeks of the opening date of any term	75%
Withdrawal in the third week after the opening date	60%
Withdrawal in the fourth week after the opening date	40%
Withdrawal in the fifth week after the opening date	20%
Withdrawal after the fifth week	0%
Health and student activity fees will not be refunded.	



Saint Michael's College gives *all* students an equal opportunity for financial aid, regardless of race, color, religion, age, sex, national or ethnic origin, or handicap.

While Saint Michael's College subscribes to the philosophy that the primary responsibility of meeting costs of a college education rests with the parents of students, it also realizes that under present economic conditions there are families who do not have available means to send their children to a private college. In recognition of this fact, Saint Michael's College uses every possible means to bridge the gap that may exist between family resources and college expenditures.

Financial aid, consisting of scholarships, grants, loans, and work opportunities, is granted to students who cannot provide the full cost of a college education through their own and their families' reasonable efforts. The primary purpose of financial aid is to provide assistance to students who, without such aid, would be unable to attend college.

The family of a student is expected to make a maximum effort to assist the student with college expenses and any assistance should be viewed only as supplementary to the efforts of the family.

In determining the extent of a student's financial need, Saint Michael's College takes into account the support which may be expected from the income, assets, and other resources of the parents and students. Also taken into consideration are factors that affect a family's financial strength, such as: current income, number of dependents, other educational expenses, debts, retirement needs or unusual circumstances.

Students awarded financial aid will continue to receive aid through their undergraduate years at Saint Michael's College as long as their academic and personal records are satisfactory and their need continues. However, students must apply each year. The exact amount of need is determined each year on the basis of the **FINANCIAL AID FORM** or the ACT **FAMILY FINANCIAL STATEMENT** submitted by candidates and their parents.

Saint Michael's College Grants-in-Aid are awarded to students who have financial need and a good academic record.

Supplemental Educational Opportunity Grants are sponsored by the Federal Government and are administered by Saint Michael's College. Supplemental Educational Opportunity Grants are awarded to students showing exceptional financial need, and are renewable each year under normal circumstances. In no instance may a Supplemental Educational Opportunity Grant exceed 50% of the total aid granted.

Basic Educational Opportunity Grant — You may apply for this grant if you are an undergraduate student enrolled on at least a half-time basis in a program of study which is six months in length or longer. Application is through

FINANCIAL AID FORM or **FAMILY FINANCIAL STATEMENT**.

APPLICATION PROCEDURE

ENTERING FRESHMEN

1. File an application for admission with the Director of Admissions. Complete the Financial Aid Application attached to your admission application and return the completed Financial Aid Application to the Director of Student Financial Aid no later than March 15.
2. Obtain from your high school guidance office a copy of the **FINANCIAL AID FORM**, which is prepared by the College Scholarship Service (P.O. Box 176, Princeton, N.J. 08540), or the **FAMILY FINANCIAL STATEMENT**, which is prepared by the American College Testing Program (P.O. Box 1000, Iowa City, Iowa 52240). **VERMONTERS MUST FILE THE ACT FAMILY FINANCIAL STATEMENT, ONLY.**
3. All applicants must include parents' last year copy of Federal Income Tax.

UPPERCLASSMEN

1. The applicant should obtain a Financial Aid Application and either a Financial Aid Form or Family Financial Statement from the Financial Aid Office; forms will be available prior to Christmas vacation. This procedure must be followed for each year you wish to be considered for aid assistance.
2. Application should be completed by the applicant and his/her family and submitted to the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540 or the American College Testing Program, Financial Aid Operations, P.O. Box 1000, Iowa City,

- Iowa 52240 not later than March 15.
 3. All applicants must include parents' last year copy of Federal Income Tax.
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GRANTS

Grants are awarded to students who without such assistance would be unable to attend Saint Michael's College. The basic requirement for consideration is financial need.

PART-TIME STUDENT EMPLOYMENT

The College Work-Study Program provides part-time employment on campus for students who are in need of earnings from such employment to pursue a course of study at Saint Michael's College.

Off-Campus Employment is available through the cooperation of many business organizations in the Burlington area.

Saint Michael's College discourages freshmen from accepting off-campus employment.

SCHOLARSHIPS

A limited number of Freshman Merit Tuition Scholarships, with annual stipends of \$1000, are given each year by Saint Michael's College to applicants who have achieved SAT scores of at least 500 verbal and 500 math or ACT composite scores of at least 26. The candidates must rank in the top quintile of their graduating class with at least a B average in a college preparatory program. Students receiving such scholarships must maintain a grade point average of at least 3.0 each academic year. Failure to maintain this average will result in loss of scholarship. Candidates for these Freshman Merit Scholarships must have been accepted by the Admissions Committee by March 15th before filing a scholarship application with the Director of Financial Aid.

SPECIAL AWARDS

Special awards are administered by Saint Michael's College and awarded in accordance with the conditions set forth for each program.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

Established under Public Law in 1964, this program awards scholarships on a competitive basis to those applicants who have at least a 2.5 cumulative GPA and pass the Air Force Officer Qualifying Test and Air Force physical exam. High school seniors must submit applications for four-year scholarships by 15 December. (Application forms may be obtained from the Department of Aerospace Studies, St. Michael's College). Freshmen and sophomores at St. Michael's College should apply for three and two year scholarships, respectively by contacting the Department of Aerospace Studies. The scholarships include full tuition, books, laboratory fees, plus tax-free subsistence pay of \$100 per month.

LOANS

National Direct Student Loans are an important financial aid resource available to students who need help and who are willing to pay for part of their current education with their future earnings. Loans may be granted to provide supplementary assistance to students receiving other forms of aid, or to help students with genuine need where scholarship and grant funds are not available. While a student is enrolled in at least one half of the normal academic workload no interest is paid on his/her loan and no repayments are expected.

Repayment begins not earlier than nine months, nor later than one year, after graduation. The loans bear interest at the rate of three percent per year on the unpaid balance. Repayment may be deferred up to a total of three years while a student borrower is serving in

the Armed Forces, Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic workload.

If the maker undertakes service after June 30, 1972, (A) as a full-time teacher in a public or other nonprofit elementary or secondary school which is in a school district of a local educational agency which is eligible for assistance pursuant to Title I of the Elementary and Secondary Education Act of 1965, or (B) as a full-time teacher of handicapped children requiring special education in a public or other nonprofit elementary or secondary school system, for each complete year of such service the amount of this note shall be reduced at the rate of 15 per cent of the total principal amount of the loan plus interest thereon for the first two years, 20 per cent for the third and fourth years and 30 per cent for the fifth year of such service, and (C) as a full-time staff member in a preschool program (Head Start) operated for a period comparable to a full school year in the legality, the amount of the note shall be reduced at the rate of 15 per cent of the total principal amount of the loan plus interest thereon for each completed year of such service.

If after June 30, 1972, the maker serves as a member of the Armed Forces of the United States, up to 50 per cent of the principal amount of the loan shall be reduced at the rate of 12½ per cent of the total principal amount of the loan, plus interest thereon, for each complete year of service in the area of hostilities that qualifies for special pay under Section 310 of Title 37, United States Code.

FAMILY DISCOUNT PLAN

Family discounts are awarded when two or more children of the same family are simultaneously enrolled during a given semester in the undergraduate program. The second child will receive a \$375 grant for each semester a brother or sister is enrolled. If the first child is receiving full financial assistance in grant funds the second child will not be eligible for the family discount plan.

ATHLETIC AWARDS

The names of possible recipients will be submitted to the Financial Aid Committee by the Director of Athletics. The Financial Aid Office will inform students of awards and of the regulations set forth in the constitution of the National Collegiate Athletic Association. The Financial Aid Committee will be notified of the budget for athletics.

ENDOWED SCHOLARSHIPS

THE REVEREND J. F. AUDET SCHOLARSHIPS. The first, founded in 1906, provides income on \$500 and is awarded to a needy candidate of St. Francis Parish of Winooski, Vermont. The second, founded in 1917, provides income on \$2,500 and is awarded to one or more deserving students of St. Francis Parish of Winooski, Vermont.

THE THOMAS J. and MARIE W. BURKE SCHOLARSHIPS are awarded every year, first, to American Negroes from southern states or, for lack of such candidates, to any students of promise who would not otherwise be able to benefit from a Saint Michael's College education. This scholarship, founded in 1962, provides income on \$22,000.

THE MONSIGNOR W. J. CAIN and PAUL CAIN MEMORIAL SCHOLARSHIP is awarded to a needy student resident of the State of Vermont. It provides income on \$4,500.

THE VERMONT STATE COURT of CATHOLIC DAUGHTERS of AMERICA provides an annual scholarship of \$100 to a needy woman student.

THE CATHOLIC ORDER of FORESTERS SCHOLARSHIP is awarded to a student of Vermont, preferably a Forester's son, who is a candidate for the priesthood. This scholarship, founded in 1914 by the State Court, Catholic Order of Foresters, is good for two years at Saint Michael's College and provides a stipend of \$300 per year. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

THE EDWIN W. CONLAN SCHOLARSHIPS, awarded to deserving students. This scholarship, founded in 1973, provides income on \$380,000.

THE ALICE F. CONWAY SCHOLARSHIPS, awarded to deserving students. This scholarship, founded in 1973, provides income on \$165,000.

THE GERALD E. DUPONT SCHOLARSHIP will be awarded to one member of the Class of 1982 with SAT scores of 1100 total or ACT composite scores of 25, class rank in top quintile with at least a B average in a college preparatory program. Students receiving such a scholarship must maintain a grade point average of at least 3.0 each academic year.

THE DAUGHTERS OF ISABELLA SCHOLARSHIP provides a grant of \$250. It is awarded each year to a deserving and needy woman student from Vermont.

THE MARY R. DERWAY SCHOLARSHIP is used as a tuition scholarship or scholarships for students who are otherwise financially unable to attend Saint Michael's College. Preference is given to young men aspiring to the priesthood, who, in the judgment of the Committee on Scholarships, are considered most worthy of such assistance. The scholarship, founded in 1952, provides income on \$15,000.

THE LAWRENCE J. AND MARGARET B. EARLY SCHOLARSHIPS are awarded to assist worthy needy students preparing to become physicians and priests. Preference is given to students sponsored by the Southern Missions of the Society of St. Edmund. This scholarship was founded in 1977.

THE PETER "BUCK" HEALY SCHOLARSHIP FUND is awarded to a student who is in good academic standing and has at least a 3.0 overall average. Financial need must be demonstrated. Students with a physical handicap receive special consideration. Freshmen are not eligible. This scholarship, founded by the Class of 1974, provides income on \$4,000.

THE KINSELLA MEMORIAL SCHOLARSHIP is awarded to a student from St. Peter Parish of Rutland, Vermont, who wishes to prepare for the priesthood. This scholarship, founded in 1935, provides income on \$2,000.

THE KNIGHTS OF COLUMBUS SCHOLARSHIP is awarded to a young man who feels called to the priesthood. This scholarship was founded in 1929 and is provided by the Vermont State Council. Applications must be filed with the Chancery Office, 52 Williams Street, Burlington, Vermont.

THE MARTIN LAHEY AND MARY LAHEY SCHOLARSHIPS are awarded to needy students. This scholarship, founded in 1974, provides income on \$20,000.

THE LAMOILLE COUNTY SCHOLARSHIP is awarded to a needy student from Lamoille County. This scholarship, founded in 1956, provides income on \$1,250.

THE JOSEPHINE LANOUE SCHOLARSHIPS are awarded to needy and deserving students from Vermont. This scholarship was founded in 1966 and provides income on \$33,000.

THE VICTOR LEMIEUX SCHOLARSHIPS are awarded to needy students. This scholarship fund was founded in 1970 and provides income on \$50,000.

THE REVEREND WILLIAM LONERGAN SCHOLARSHIP is awarded to a needy student from Rutland, Vermont, studying for the priesthood. This scholarship, founded in 1911, provides income on \$1,000.

THE MICHAEL McCARTHY SCHOLARSHIPS are awarded to needy students. This scholarship fund provides income on \$95,000.

THE McLURE MOVING AND STORAGE, INC. SCHOLARSHIP provides a \$500 grant yearly to a Vermont student, based on need.

THE CHARLES E. MERRILL TRUST SCHOLARSHIPS are awarded to needy students of the Roman Catholic faith. This scholarship, founded in 1973, provides income on \$25,000.

THE LUCY MORRISSEY SCHOLARSHIPS are awarded to needy and deserving students. This scholarship fund provides income on \$18,500.

THE REVEREND PAULIOT SCHOLARSHIP is awarded to a needy student from Essex Junction, Vermont. This scholarship fund was founded in 1926 and provides income on \$5,000.

THE REVEREND NORBERT PROULX SCHOLARSHIP is awarded to a needy student of St. Joseph Parish of Burlington, Vermont, or of Immaculate Heart of Mary Parish of Rutland, Vermont, or of Sacred Heart of Jesus Parish of West Rutland, Vermont, or of Our Lady Star of the Sea Parish of Newport, Vermont. This scholarship, founded in 1922, provides income on \$5,000.

THE REVEREND C. E. PROVOST SCHOLARSHIP is awarded to a needy

student of the Sacred Heart Parish of Bennington, Vermont. This scholarship, founded in 1918, provides income on \$5,000.

THE L. ELIZABETH AND NAPOLEON J. ST. PIERRE SCHOLARSHIP.

Preference is to be given to such aspirants to the priesthood who are members of St. Joseph's parish of Burlington, Vermont, and other French speaking aspirants in the Diocese of Vermont. This scholarship, founded in 1975, provides income on \$6,000.

THE FREEMAN M. SALTUS SCHOLARSHIP is awarded to Saint Michael's College students who excel in writing essays on questions of labor or economics. Founded in 1956, this scholarship provides income on \$500.

THE RIGHT REVEREND JAMES D. SHANNON SCHOLARSHIP is awarded to freshman and sophomore students studying for the priesthood, who are members of the following Vermont parishes: St. John the Baptist of Enosburg Falls; St. Patrick of Fairfield; St. Thomas of Underhill Center; St. Mary of Middlebury; St. Charles of Bellows Falls; St. Francis de Sales of Bennington. Preference is given in the order of the parishes named. The pastors of the above named parishes must recommend the beneficiaries of this scholarship. The selection of the candidate rests in the first instance with the Bishop of Burlington. If the Bishop makes no selection, the Committee on Scholarships chooses the candidate. This scholarship, founded in 1936, provides income on \$6,500.

THE CELINE SLATOR MEMORIAL AWARD is awarded to a student concentrating in Journalism. Student must be a Vermont resident who displays an interest in reviewing, promoting and reporting on the arts. Preference will be given to women in their Junior or Senior year demonstrating financial need with outstanding academic ability.

STATE STUDENT ASSISTANCE PROGRAMS

State scholarships, grants and loans are increasing each year for undergraduate studies. Students are encouraged to apply for such assistance and are supported in their applications by Saint Michael's College. Applications and brochures are available from your high school guidance counselor or Financial Aid Office.

Scholarships and grants vary greatly in each state; however, the guaranteed loan programs are basically the same. Generally the following regulations have been adopted by each state:

1. To be eligible, a student must be a United States Citizen or a foreign national who intends to become a citizen. The applicant must be accepted or enrolled at Saint Michael's College
2. Funds are made available by banks, credit unions, or savings and loan associations of your choice which are participating in the student loan program in your state.
3. Guaranteed Student Loans offer the borrowers up to \$2,500. per year. However, in some states the maximum may be less. The maximum indebtedness for an undergraduate is \$7,500.
4. If applying for Interest Subsidy student must file Parents' Confidential Statement or American College Testing Family Financial Aid Report.
5. Repayment begins nine months after graduation or when a student ceases to carry at least one-half the normal academic workload. There are provisions for deferment while attending graduate school or serving in the Armed Forces.



COURSE OFFERINGS

DEPARTMENT OF AEROSPACE STUDIES

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Lt. Col. Martin J. Engelken, Chairman; Woodard, Hayden

The Department of Aerospace Studies courses in the 100 and 200 level are designed to provide freshmen and sophomore students an orientation and basic understanding of the history of the Air Force and purpose and mission of the Air Force in today's world. (This one credit course can be taken in addition to the standard five course 15 credit student workload). Students can take these courses to learn more about Air Force life and job opportunities with no obligation whatsoever. The 300 and 400 level courses are designed to develop students' basic management skills, basic communication skills, and develop their awareness of military-civilian relationships, with the end goal of being commissioned as second lieutenants in the U.S. Air Force upon graduation. All college majors can participate in Air Force ROTC. The 300 and 400 level courses can be used to fulfill elective course requirements.

**101-103 UNITED STATES AIR FORCE
TODAY** (Freshmen in Four-Year
Program) *Two semesters*

This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces, and aerospace support forces. Leadership Laboratory activities are included.

One class hour each week.

One Leadership Laboratory hour each week.

One credit each semester.

**201-203 DEVELOPMENT OF AIR
POWER** (Sophomores in Four-
Year Program) *Two semesters*

This course includes a study of air power, developed from a historical perspective, starting before the Wright brothers and continuing through the 1970's. Students will study the factors that have changed the nature of military conflict and have led to the development of air power as a primary element of national security. They will become familiar with the development of concepts and doctrine governing the employment of air power, and know how air power has been utilized in military and nonmilitary operations to support national objectives.

One class hour each week.

One Leadership Laboratory hour each week.

One credit each semester.

**301-303 AIR FORCE MANAGEMENT
AND LEADERSHIP** *Two Semesters*

An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer. The basic managerial processes involving decision making, utilization of analytic aids in planning, organizing, communicating, and controlling in a changing environment are emphasized as necessary professional concepts. Organizational and personal values, management of forces in change, organizational power politics, managerial strategy and tactics, military justice and administrative processes are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication processes.

Three class hours each week.

One Leadership Laboratory hour each week.

Three credits each semester.

**401-403 NATIONAL SECURITY FORCES
IN CONTEMPORARY
AMERICAN SOCIETY**

Two Semesters

A course conceptually focused on the Armed Forces as an integral element of society, with an emphasis on the broad range of American civil-military relations and the environmental context in which U.S. defense policy is formulated and implemented. Special themes include: societal attitudes toward the military; the role of the professional military leader-manager in a democratic society; the fundamental values and socialization processes associated with the Armed Services; the requisites for maintaining adequate national forces; political, economic, and social constraints on the national defense structure; the impact of technological and international developments on strategic preparedness; the manifold variables involved in the formulation and implementation of national security policy, and military justice. In each semester, students will be expected to prepare individual and group presentations for the class, write reports, and otherwise participate in group discussions, seminars, and conferences.

Three class hours each week.

One Leadership Laboratory hour each week.

Three credits each semester.

The Leadership Laboratory is a one-hour per week course taken throughout the student's four years of enrollment in the Air Force Reserve Officer Training Corps. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. The course involves a study of Air Force customs and courtesies; drill and ceremonies; career opportunities in the Air Force; and the life and work of an Air Force junior officer. Students develop their leadership potential in a practical, supervised training laboratory, which typically includes field trips to Air Force installations throughout the United States.

Staff: Lieutenant Colonel David Coseo, Professor of Military Studies; Major Ron Kushnir, Captain Mike Botelho, Sergeants Jan Wierenga and Al Wilson.

Students at Saint Michael's College may enroll in either the Four-Year or Two-Year Army ROTC Program at the University of Vermont. Courses in the first two years of the four-year program are designed to develop in freshmen and sophomore cadets an awareness of the nature of military service, historical roles, and impact upon international relations. Participation in the first two years involves no student obligation. Emphasis is placed on outdoor training with offerings involving survival, rappelling, orienteering, and marksmanship.

Sophomores desiring to enter the two-year program may qualify by attending either the 6-week summer camp at Fort Knox, Kentucky, or summer session at the UVM campus.

The junior and senior years introduce the skills necessary for a commissioned officer to perform during his initial assignment.

Open to men and women.

Saint Michael's students in Army ROTC at UVM pay Vermont in-state tuition for the courses.

Opportunities exist for full tuition scholarships.

Extracurricular activities: Pershing Rifles, Ethan Allen Rifles, Green and Gold (drill team).

Monetary benefits: A total of \$2,500.00 during the last two years, exclusive of scholarship benefits.

Service obligation: Several options exist, ranging from 3 months active duty to career service for those qualifying.

Uniforms furnished during the last 2 years and to freshmen and sophomores participating in extracurricular activities.

MS 1 INTRODUCTION TO MILITARY STUDIES *Fall and Spring*

(2) American military heritage; customs and traditions of the service; historical development of the Army and its role in support of national objectives; the diversity of missions performed during both peace and war; civil-military relations; the role of ROTC, the National Guard and Reserve; the military as a profession.

Two hours each week.

MS 2 WAR AND SOCIETY (2) *Fall*

An overview of several aspects of war: warfare as seen by some notable military thinkers, effects of war on society and society on war, principles of war, and contemporary issues involving the use of military force.

Two hours.

MS 3 THE NON-MILITARY ROLE OF THE MILITARY (2) *Spring*

The course is designed to examine the political, social, economic, and educational implications generated by the existence of armies. Specifically, it seeks to isolate and evaluate the possible and actual uses of these armies exclusive of their primary role in the combat experience. The non-military role of the military is examined in its traditional role of nation building and internal improvements and in its developing role as an agent of social and economic rehabilitation. The course is primarily directed toward the United States but also integrates the experiences of other countries when relevant.

Coseo.

Two hours.

MS 4 CONTEMPORARY WORLD MILITARY SCENE (2) *Spring*

Seminar on current international uses of military forces, viewed against a background of long range national concerns, especially of the U.S., U.S.S.R., China.

Two hours.

MS 12 RAPPELLING (½)

Fall and Spring

Basic instruction in rope management, rope installation and rappelling, consisting of both classroom instruction and outdoor practical exercises.

One hour.

MS 14 PHYSICAL TRAINING (½)*Fall, twice; Spring, twice*

Physical conditioning which provides the student an opportunity to assess his/her physical condition against the standards required for successful completion of the ROTC Advanced Course. Also provides a means of getting into proper physical condition.

*One hour.***MS 16 SURVIVAL (½)***Fall and Spring*

Instruction in wilderness survival techniques, to include land navigation, procurement of food, water and shelter.

*Wierenga.**One hour.***MS 17 MARKSMANSHIP (½)***Fall and Spring*

Instruction in basic rifle marksmanship to include hand and eye coordination, posture, and breath and trigger control.

*Botelho.**One hour.***MS 18 BACKPACKING (½)***Fall and Spring*

Instruction in the basics of backpacking, to include an overnight hike in the Green Mountains of Vermont.

*One hour.***MS 19 ORIENTEERING (½)***Fall and Spring*

Instruction in land navigation using the map and compass.

*Kushnir.**One hour.***MS 20 INTRODUCTION TO SOARING***(Credit TBA)**Prerequisite: enrolled as Army ROTC cadet*

Introduction to fundamentals of soaring aerodynamics, to include theory of lift and primary flight controls. Discussions of weather with concentration of air masses and clouds. Flightline safety and sailplane familiarization is coupled with approximately 2½ hours of dual flight instruction in a sailplane. Special Fee. Schedule TBA.

*Kushnir.***MS 101 LEADERSHIP AND MANAGEMENT I (2)***Fall*

Military cartography. The psychological and sociological factors which affect human behavior; individual and group solution of leadership problems in an organization. Analysis of the leader's role in directing and coordinating the efforts of individuals and small groups in obtaining organizational goals.

*Kushnir.**Two hours.***MS 102 LEADERSHIP AND MANAGEMENT II (2)***Spring*

Fundamentals of educational psychology applicable to instruction; techniques used in planning, presenting, and evaluating instruction. An orientation into military occupational specialties. Introduction to small unit tactics.

*Kushnir.**Two hours.***MS 111 LEADERSHIP AND MANAGEMENT III (2)***Fall*

Analysis of techniques and procedures used in managing organizations. The role of interdisciplinary teams and the development of courses of action to solve typical stressful leadership problems.

*Two hours.***MS 112 LEADERSHIP AND MANAGEMENT IV (2)***Spring*

Investigation of selected leadership and management problems associated with unit administration, military law, and the Army Readiness Program. Obligations and responsibilities of an officer.

Two hours.

Dr. Daniel J. Bean, Chairman; DiLorenzo, Dobson, Hartnett, Hessler, Klein, Sullivan. Admission to the Biology concentration ordinarily requires that the applicant have satisfactorily completed four years of high school mathematics, one year each of biology, chemistry and physics. High school students desiring to elect a second year of biology should do so only if they have completed chemistry and physics. SAT scores, rank in class, academic average and personal recommendation are considered on an individual basis.

The concentration in Biology introduces the student to the major core areas of biological knowledge. A general and a special program of courses provides the necessary background preparation for application to advanced studies in graduate schools, medical schools, and dental schools. The student is also prepared for careers in teaching or research, and job opportunities in industry and government for which biological science is a requirement.

The student in the special program is given the opportunity to do an original laboratory or field research project during the Senior year. The results must be satisfactorily presented in a written and oral report as part of the degree requirement.

The Biology concentration requires 40 semester courses for completion of the degree program. The decision as to which program, general or special, the student may follow will be made in consultation with the Biology Faculty advisor.

Required courses for the concentration in Biology:

The major in Biology requires 12 courses within the department (14 if the special program is followed). These are: Biology 101, 103, 205, 301, and 410 (2 semesters) and at least one course in both plant biology and animal biology.

The additional department course offerings are grouped as:

Plant — Biology 347, 405, and 407

Animal — Biology 213, 307, 341, 345, and 409

Other — Biology 206, 321, 323, and 420

(Certain of these courses have optional laboratories. A minimum of at least four advanced courses must be taken with laboratory.)

Additional required courses are:

Chemistry 103-107, 201-203

Mathematics 102-103, or 105-107

Strongly recommended:

Chemistry 301-303 (for those interested in Biochemical or Physiological studies in graduate school)

Mathematics 102 (if 105-107 are taken in freshman year)

Physics 220-222 (Required for admission to medical or dental schools and to certain graduate school programs. Strongly recommended for all students.)

French, German, Russian, or Computer Language (for those interested in Graduate School.)

Summary of Course Requirements for a B.A. degree with a Concentration in Biology:

12 courses in Biology (plus Senior Research if elected)

6 to 8 courses in Chemistry, Physics and Mathematics

8 courses in Distribution requirement (2 Humanistic studies; 2 Philosophy;

2 Religious Studies; 2 Social Studies)

11 to 13 elective courses in any field

40 courses required for the degree.

Individualized Program

The Biology Department offers the possibility of planning an individualized program which may meet the minimum requirements for teacher education or professional schools. Students interested should consult the department chairman.

100 CONTEMPORARY BIOLOGY*Fall and Spring*

Selective considerations of the contributions of biological science to the understanding and interpretation of natural processes and their interrelationships to some of the major problems confronting mankind. The course material will, on a semester basis, reflect the interests of the instructor.

Non-concentrators only. Three credits.

101-103 GENERAL BIOLOGY*Two semesters*

A comprehensive consideration of the structural and functional organization of plants and animals and the interrelationships of these organisms with one another and with the environment. The Spring semester provides an introduction to molecular and cellular biology, genetics, development, and evolutionary theory.

The laboratory is designed to provide the student with fundamental experience in developing methods of biological observation and experimentation.

Open to Biology and Psychology concentrators; others by permission.

Prerequisite: Biology 101 for 103.

Lectures and a laboratory each week. Four credits each semester.

205 INDEPENDENT READINGS IN THE BIOLOGICAL LITERATURE*Fall and Spring*

Reading, writing and discussion in which the student learns to explore the fundamental sources of biological knowledge; the student may extend his/her study in any area of basic biological concepts that was considered during the general course and may explore biological problems towards which interest is motivated. A close learning rapport is provided between the student and teacher.

Limited to Biology concentrators.

Group discussions and personal consultations. Three credits.

206 FIELD BIOLOGY*Fall*

A study of local Fall flora and fauna. Local field trips emphasize the vascular plant flora. Independent collection, identification and preservation of plant and animal specimens is required. Lectures cover plant and animal taxonomy and phylogeny with special emphasis on the angiosperms and the insects.

Prerequisite: Biology 101-103.

Lectures and a laboratory each week. Four credits.

213 PRINCIPLES OF ANIMAL NUTRITION*Fall*

Lectures on the chemistry and physiology of nutritive requirements of growth maintenance and other body functions. Other topics will include digestion, absorption, transport, and metabolism of nutrients.

Prerequisite: Biology 101-103 or

Permission of Instructor.

Lectures and optional lab. Three or four credits.

301 CELL BIOCHEMISTRY*Fall*

An introduction to the molecular basis of structure and function in living organisms. The current concepts of energy production and major biosynthetic pathways are explained and evaluated. The laboratory employs fundamental qualitative and quantitative methods used in the study of biomolecules. The interpretation and significance of experimental data are stressed.

Prerequisite: Chemistry 201-203.

Lectures and laboratory. Four credits.

307 VERTEBRATE BIOLOGY*Spring*

A comprehensive treatment of the comparative gross anatomy of selected types of vertebrates and their evolutionary relationship. A detailed study is made of vertebrate micro-anatomy and the physiology of certain tissues and organs. The laboratory stresses a detailed dissection of a representative of the vertebrate classes along with a microscopic study of mammalian tissues and organs.

Lectures and a laboratory each week. Four credits.

321 ECOLOGY*Fall*

The study of the responses of animals and communities to environmental change. Concepts of physical and biotic factors and their effects on the abundance and distribution of animals are considered, as are principles of population structure, growth and energy flows in communities. Laboratories stress surveys of local habitats and standard techniques of ecological research.

Lectures and a laboratory each week.

Four credits.

323 GENETICS*Spring*

An in-depth introduction to basic Mendelian and non-Mendelian genetics as well as molecular and population genetics. Laboratory experience will include problem analysis in *Drosophila* and experiments utilizing bacteria.

Prerequisite: Biology 301 or permission of instructor.

Lectures. Three or four credits.

341 ANIMAL BEHAVIOR*Spring*

Current theories on animal behavior in vertebrates and invertebrates. Emphasis on the works of Lorenz, Von Frisch, their followers and opponents. Topics will include behavior mechanisms in aggression, migration, orientation, mimicry and other fields of animal behavior.

Three credits.

345 ANIMAL DEVELOPMENT*Fall*

Selected aspects of animal growth and development. Lecture material considers the topics of developmental sequences, cellular differentiation, genetic regulation, and mammalian development.

Prerequisite: Junior Standing.

Lectures and laboratory. Four credits.

347 VASCULAR PLANT MORPHOLOGY*Fall*

A comparative study of the morphology and anatomy of the vascular plants, including basic microtechnique and histological preparation of plant tissues. Special emphasis is placed upon morphology and taxonomy of the angiosperms.

Prerequisite: Biology 101-103 and permission of instructor.

Lectures and laboratory each week. Four credits.

405 MICROBIOLOGY*Fall*

A study of the structure, development, growth and physiology of organisms classified as bacteria, algae and fungi; certain aspects of virology and immunology are considered. Laboratory explores taxonomy and morphology as well as physiology and biochemistry of micro-organisms.

Prerequisite: Junior Standing.

Lectures and a laboratory each week. Four credits.

407 PLANT PHYSIOLOGY*Spring*

A study of the functions of plants, of bio-organization from the subcellular to the organism, showing the integration of cells, tissue systems, and the plant body. The socio-economic role of plants as food crops and aspects of economic botany are considered. Lecture and laboratory experience in different aspects of the physiology of the flowering plants.

Prerequisite: Junior Standing.

Lectures and a laboratory each week. Four credits.

409 COMPARATIVE ANIMAL PHYSIOLOGY*Spring*

A comparative study of physiological systems in invertebrate and vertebrate animals. The structural and functional evolution of each of the major systems is discussed.

Prerequisite: Junior Standing.

Lectures and laboratory. Four credits.

410 SENIOR SEMINAR *Two semesters*

The seminar topics are directed toward specific areas of biological investigation; evolution theory, historical and social biology, molecular studies, etc. The seminars are also open to special topics presented by the participants. The significant experimental data and their interpretation in relation to the problem investigated are emphasized. Group discussion is keynoted.

Three credits each semester.

420 SENIOR RESEARCH *Two semesters*

The Senior student in the special program is required to write a proposal for conducting an experimental or investigative problem under the direction of a member of the Biology Faculty and to do this problem in the laboratory or field. The results must be reported in written form and presented in a seminar.

Three credits each semester.

Professor Walter A. Higgins, Chairman: Amrhein, Anderson, Carvellas, Dillon, Fortune, Kenny, Kessel, Knight, Kuklis, LaMarche.

The department offers two concentrations; one in Economics, the other in Business. The Business concentration courses are listed below. Economics concentration courses follow this listing.

THE CONCENTRATION IN BUSINESS ADMINISTRATION

The concentration in Business Administration is designed to develop an awareness of the structure of the business firm and an exposure to the decision-making processes of the management function. Students are prepared to accept administrative positions in business and industry, government, and other profit and non-profit making firms, or to enter an advanced degree program.

Required courses: Business 105-107, 201-203, 207, 208, 303, 305, 315-317, 410: Economics 101-103; business reading lists; comprehensive examination.

BUSINESS ADMINISTRATION

101 INTRODUCTION TO BUSINESS *Fall and Spring*

Designed to provide a general overview of the business world and its interrelationships between groups and departments within a firm and between a firm and its outside environments; to stimulate an interest in and initiate an awareness of this important dynamic force in present-day society.

Not open to Business Administration concentrators.

Three class hours each week. Three credits.

105-107 MATHEMATICS FOR MANAGEMENT *Two semesters*

A consideration of the mathematical tools found useful in business decision making. Topics include set theory, probability theory, matrix algebra, game theory, and an introduction to the calculus.

Prerequisite: Two years high school algebra.

Three class hours each week. Three credits each semester.

110 READING LIST FOR FRESHMEN *Fall and Spring*

One credit.

121-123 INTRODUCTORY ACCOUNTING *Two semesters*

Accounting as an important aid to management. Much time is devoted to demonstrating how accounting data can be used to assist in decision making and control. Business transactions are analyzed and recorded in order to assemble financial data, which is then interpreted for management.

Three class hours each week. Three credits each semester.

207 STATISTICS *Fall and Spring*

Elementary theory and techniques of statistical inference. Enumerative and analytical studies; acceptance sampling and problems in testing and estimation. Laboratory: once a week.

Prerequisite: Business 105-107.

Three class hours each week. Three credits.

208 BUSINESS LAW *Fall and Spring*

The fundamentals of the law of contracts, sales, negotiable instruments, partnerships, and corporations.

Three class hours each week. Three credits.

210 READING LIST FOR SOPHOMORES *Fall and Spring*

One credit for both semesters.

211 INTRODUCTION TO COMPUTER PROGRAMMING *Fall and Spring*

Use of the computer as a tool in solving numerical and non-numerical problems. The student will learn one or more programming languages, and write programs for solving problems from his area of interest.

Three class hours each week. Three credits.

303 INDUSTRIAL MANAGEMENT *Fall*

Examines and encourages the development of useful managerial skills by familiarizing the student with the field of management as it exists today. Significant use of analytical capabilities and quantitative techniques. Topics include goal setting, planning, organizational design, human factors in the organization, decision-making and controlling activities.

Three class hours each week. Three credits.

305 MARKETING *Spring*

A managerial approach to marketing problems. Marketing strategy and designing a market mix are stressed to give the student a broad view. This planning takes place in a dynamic social and political environment with extensive treatment given to the effect of the economy on marketing.

Three class hours each week. Three credits.

310 READING LIST FOR JUNIORS *Fall and Spring*

One credit for both semesters.

311-313 INTRODUCTION TO ELECTRONIC DATA PROCESSING

This course acquaints the students with the general concepts of computers and includes a description of the organization of electronic data processing systems as well as the fundamentals of programming.

Three class hours each week. Three credits each semester.

315-317 FINANCIAL POLICIES OF CORPORATIONS *Two semesters*

Methods and problems of financial management. Capital budgeting, methods of financing, asset management, corporate expansion and contraction, and the fundamentals of financial analysis are considered.

Prerequisites: Business 105-107, 121, 123, 207.

Three class hours each week. Three credits each semester.

319 BUSINESS COMMUNICATIONS *Spring*

Theory and practice in the general areas of written and oral business communications. Special emphasis is given to the various types of business letters and the development of the formal business report. Style, accuracy, and readability are stressed.

Instructor's approval needed.

Three class hours each week. Three credits.

321 PERSONNEL ADMINISTRATION *Fall*

The area of personnel administration: organization for personnel, staffing, recruiting, selection, training of employees, employee evaluation, job analysis, salary and wage administration, promotion, demotion, incentives and morale.

Three class hours each week. Three credits.

323 BUSINESS CYCLES AND FORECASTING *Spring*

Begins with a discussion of the factors which contribute to economic growth and stability and to the level of national income. Then proceeds to a study of the techniques that are used in business to make forecasts.

Prerequisite: Econ. 101-103 or 107

Three class hours each week. Three credits.

325-327 PRINCIPLES OF SALESMANSHIP AND SALES MANAGEMENT *Two Semesters*

The qualifications of the salesman in today's competitive world from a consumer-oriented approach. Special emphasis is given to the psychological and behavioral considerations of selling. Through case studies attention is focused on the dynamic area of sales strategy as it is planned, implemented, and controlled in business.

Prerequisite: Instructor's approval needed.

Three class hours each week. Three credits.

331 INDUSTRIAL RELATIONS *Spring*

Relations of scientific management to labor: requisites of labor and management, community relations, unemployment, worker health and safety, trade unionism, unemployment compensation, social security, workmen's compensation, fair employment practice laws, audits, communication.

Three class hours each week. Three credits.

335 INTRODUCTION TO COMMERCIAL BANKING *Fall*

An introduction to the business of banking, and how the individual commercial bank is a part of the economic environment of the banking system. The areas of: liquidity management and general liquidity policies, loan management and credit analysis, investment policies, and the determinants of profit management will be given special emphasis.

Instructor's approval needed.

Three class hours each week. Three credits.

221-223 INTERMEDIATE ACCOUNTING *Two semesters*

A course in accounting theory and practice; complex problems of accounting for corporations; problems connected with the valuation of asset, liability, and net worth accounts; analysis of statements; other topics of advanced nature.

Prerequisite: Business 121-123.

Three class hours each week. Three credits each semester.

345 BUSINESS RETAILING *Spring*

An exploration of the evolution of American retail institutions together with a practical introduction into the field of retail merchandise control, and promotion. Coverage of both large and small retail operations.

Prerequisite: Permission of Instructor.

Three class hours each week. Three credits.

343 MANAGERIAL COST ANALYSIS *Fall*

Focuses on four essential aspects of reporting accounting data for management: cost determination; cost control; performance evaluation, and financial information for planning and special decisions. The mechanical aspects of Cost Accounting are not stressed, but the determination of accounting data for purposes of decision-making, control and evaluation is the primary concern. Highly recommended for those interested in management.

Prerequisite: Business 121-123.

Three class hours each week. Three credits.

227 COST ACCOUNTING *Fall*

A study of cost accounting as a tool of management, providing the connecting link between the planning and control functions. Includes the study of job order, process cost systems and offers the opportunity to work with three cost elements: Materials, labor and overhead.

Prerequisite: Business 121-123.

Three class hours each week. Three credits per semester.

405 PRINCIPLES OF ADVERTISING *Spring*

A broad study of advertising including its planning, creation, and use. The course reviews all media operations and attempts to lead the student through as much practical application as possible.

Instructor's approval needed.

Three class hours each week. Three credits.

351-353 ADVANCED ACCOUNTING *Two semesters*

A course in accounting theory and practice. Studies of very complex accounting problems for partnerships, consolidations, fiduciaries, and governmental problems.

Prerequisite: Business 337-339.

Three class hours each week. Three credits each semester.

410 COORDINATING SEMINAR IN BUSINESS *Two semesters*

This two semester course first examines the technique for planning and controlling the operational management activities. Topics include forecasting, cost benefit analysis, linear programming, transportation method, critical path method and inventory control. This is followed by the second semester's management simulation. The simulation (computer generated business game) provides the opportunity to apply analytical techniques and managerial concepts to the operations of a medium size business. Decisions made within the simulation cover every aspect of management.

Must be taken in sequence. Concentrators only.

Prerequisites: Business 110, 121-123, 207, 210, 310, 315-317.

Three class hours each week. Three credits each semester. Fee: \$15.00.

411 INVESTMENTS *Fall*

Provides a background on the various types of securities, the security markets, and the nature of public regulation of the investment industry.

Three class hours each week. Three credits.

413 INVESTMENT MANAGEMENT *Spring*

The fundamentals of investment analysis and the technical aspects of the securities markets are presented. Some problems involved in the creating and managing of investment portfolios are also considered.

Prerequisite: Business 411.

Three class hours each week. Three credits.

415-417 FEDERAL INCOME TAX *Two semesters*

Accounting for Federal Income Tax purposes, with concentration on the Internal Revenue Code and recent changes. Tax returns for individuals, corporations, estates and trusts are stressed with attention given to various information returns.

Prerequisite: Business 121-123.

Three class hours each week. Three credits each semester.

423 MARKETING STRATEGY*Not offered in 77-78*

A study of actual cases in the field of marketing to test the student's application of principles learned in the basic marketing course.

Prerequisite: Business 305.

Three class hours each week. Three credits.

431-433 ADVANCED DATA PROCESSING I and II*One or two semesters. Tutorial.*

Advanced data processing techniques and independent study.

Prerequisite: Business 211 or 311-313 or consent of instructor.

Three class hours each week. Three credits each semester.

441 CORPORATE SOCIAL RESPONSIBILITY*Fall*

A discussion of the role of the large corporation in society. How should the corporation respond to the various demands placed upon it? This course examines actual cases and also presents the students with several theoretical situations in an attempt to show all sides of the current debate. Several discussion meetings with business executives are scheduled.

Three class meetings each week. Three credits.

450 SEMINAR IN ACCOUNTING*Not offered in 1978-79*

Advanced theory, past and current literature, CPA exams, the AICPA, professional behavior and other accounting interests will be discussed.

Prerequisite: Advanced Accounting and Auditing.

One meeting per week. Three credits.

451 AUDITING*Fall*

The study of systematic investigation and appraisal of procedures and operations for the purpose of determining conformity with existing accounting standards.

Prerequisite: Advanced Accounting.

Three class hours each week. Three credits.

453 CPA PROBLEMS*Not offered in 78-79*

The working of complex accounting problems, fortified by a concentrated review of basic accounting concepts, for familiarization with parts of the CPA examination.

Prerequisite: Advanced Accounting and Auditing.

Three class hours each week. Three credits.

457 COMMERCIAL LAW*Not offered in 78-79*

Should be elected by students interested in becoming certified. The program goes beyond the scope of BU 208 by dealing with corporate legalities.

Prerequisite: BU 208

Three class hours each week. Three credits.

THE CONCENTRATION IN ECONOMICS

The concentration in Economics is designed to provide an understanding of economic theory and economic institutions and to apply this knowledge to the analysis of economic problems and policies.

The program is deliberately flexible in order to provide for the broad range of interests found among concentrators: training for careers in business or industry, preparation for graduate school in economics, general academic training preparatory to attending law school, or simply an interest in social studies with a particular focus on economic problems. Following a core consisting of principles of economics and elementary statistics, the economics major works closely with a member of the department in an effort to plan a sequence of courses consistent with that student's interest. The Coordinating Seminar in Economics calls upon the student to use his/her training by pursuing topics of his/her own choice and discussing the research and results with his/her peers and professors in weekly seminar meetings.

Courses numbered 300 and 400 are open to both concentrators and non-concentrators. Concentrators must have completed Economics 101-103 as well as Economics 205 prior to enrolling in a 300 or 400 level course. Nonconcentrators interested in these courses are admitted by permission of the professor.

Required of concentrators: Economics 101-103, Economics 205, Economics 410 and 6 elective courses in Economics.

ECONOMICS

101-103 PRINCIPLES OF ECONOMICS *Two semesters*

This sequence introduces the student to the methodology, analytical tools, and subject matter of economics. Theory, policy and history are treated and major emphasis is given to microeconomics and macroeconomics.

Three class hours each week. Three credits each semester.

107 ELEMENTS OF ECONOMICS *Fall and Spring*

An introductory study of basic economic institutions and selected economic problems. The elementary principles of economic theory are developed and applied to the analysis of selected problems.

Not open to concentrators in Economics or Business Administration.

Three class hours each week. Three credits.

205 STATISTICS FOR ECONOMISTS *Fall*

The development of elementary statistical theory with applications to selected problems in economics. Emphasis tends to be on probability theory, classical hypothesis testing and regression analysis.

Three class hours each week. Three credits.

207 MATHEMATICS FOR ECONOMISTS *Spring*

An introductory development of basic areas of mathematics as they are applied in economic analysis. Emphasis is given to calculus or matrix algebra during alternate offerings.

Prerequisite: Econ 101-103 or 107 or

Permission of Instructor.

Three class hours each week. Three credits.

231 INDUSTRIAL ORGANIZATION AND PUBLIC POLICY *Alternate Years*

Examination of analytical and empirical problems relating to Government Policies towards Business. Emphasis on the extent to which economic analysis can evaluate and guide formation of government policy. Rational and effectiveness of Government regulations.

Prerequisite: Econ. 101-103 or Econ. 107 or Permission of Instructor.

Three class hours each week. Three credits.

301 HISTORY OF ECONOMIC THOUGHT *Alternate years*

This course surveys the major schools of economic thought and the principal contributions to economic theory from Aristotle to the present. Particular emphasis is given to the period beginning with Adam Smith's *Wealth of Nations*.

Three class hours each week. Three credits.

303 ECONOMIC HISTORY OF THE UNITED STATES *Fall*

The course concentrates on the long-run determinants of economic growth in U.S. History from the Colonial Period to WW II. Following an overview of the record of U.S. growth before and after 1840, the focus is on four major topics and the role of each in explaining the course of economic development in U.S. History: Resources, Natural and Human; Technology and Capital Formation; Industries and Activities in the Production Process; and Organization for Economic Life.

Three class hours each week. Three credits.

311 MACROECONOMIC THEORY *Fall*

Concentrated study of economic theory at the "macro" level: e.g., the examination of consumer behavior, investment expenditures, government taxes and expenditures, etc. with a view toward providing a consistent model of income determination. Among the topics examined with this model are fiscal versus monetary policy, balance of payment deficits, growth of an economy through time, inflation, unemployment.

Prerequisite: Econ. 101-103 or Permission of Instructor.

Three class hours each week. Three credits.

312 MICROECONOMIC THEORY *Spring*

Concentrated study of economic theory at the "micro" level: e.g., the development of demand theory beginning with the individual consumer, the determination of optimal or profit maximizing output levels for the individual firm and industry, the determination of the rate of return to the individual input to production. The course materials lead to a consideration of welfare propositions in economics as well as a view of the system as a whole through general equilibrium analysis.

Three class hours each week. Three credits.

315 COMPARATIVE ECONOMICS SYSTEMS*Alternate years*

Comparison of major contemporary economic systems such as Capitalism, Communism, and Democratic Socialism. Focus is on the manner in which the alternative systems handle the basic economic problems and needs of contemporary societies.

Prerequisite: Econ. 101-103 or Permission of Instructor.

Three class hours each week. Three credits.

317 INTERNATIONAL ECONOMICS*Alternate years*

The course involves a study of both the pure theory of international trade and the balance of payments theory. A major emphasis in the course is on policy questions associated with the balance of payments and related current problems which the United States faces in the international economic scene.

Prerequisite: Econ. 101-103 or 107 or Permission of Instructor.

Three class hours each week. Three credits.

321 ECONOMIC DEVELOPMENT*Alternate years*

Studies the problems associated with attempting to raise growth rates and related developmental changes in underdeveloped countries. Course considers alternative development theories and policies. Course concludes with a case study of development in Latin America.

Prerequisite: Econ. 101-103 or Permission of Instructor.

Three class hours each week. Three credits.

323 BUSINESS CYCLES AND FORECASTING*Spring*

Begins with a discussion of the factors which contribute to economic growth and stability and to the level of national income. Then proceeds to a study of the techniques that are used in business to make forecasts.

Prerequisite: Econ. 101-103 or 107.

Three class hours each week. Three credits.

331 ECONOMICS OF THE LABOR MARKET*Alternate Years*

Analysis of labor force, labor supply, wages, discrimination, and unemployment in terms of labor market experience and current theories of the labor market. Appraisal of the effects of unions and government policies on the economic position of labor.

Prerequisite: Econ. 101-103 or Econ. 107 or Permission of Instructor.

Three class hours each week. Three credits.

401 MONETARY THEORY AND POLICY*Fall*

An analytical discussion of money supply and money demand, monetary institutions, policy and practice. The application of monetary theory to the problems of full employment, price stability, economic growth, and balance-of-payments equilibrium.

Prerequisite: Econ. 101-103 or 107.

Three class hours each week. Three credits.

403 PUBLIC FINANCE AND TAXATION*Alternate years*

The course emphasizes the role of the public sector — local, state and national levels — in an economic system. Of particular concern are such matters as the economic impact of alternative tax schemes, the basic rationale for production of public goods, the conditions under which government regulation is desired, the relative effectiveness of expenditure and taxation policies in controlling unemployment, inflation and economic growth.

Three class hours each week. Three credits.

405 URBAN ECONOMICS*Alternate years*

Examines the strengths and weaknesses of urban areas. Studies the complex interaction of political, sociological, and economic factors affecting urban areas, and emphasizes the analytical tools that have been developed.

Prerequisite: Econ. 101-103 or 107, or

Permission of Instructor.

Three class hours each week. Three credits.

410 COORDINATING SEMINAR IN ECONOMICS*Two semesters*

Seminar meetings in which concentrators report to their peers and professors the progress and results of independent study. It is intended that students deal with topics of interest to them and which utilize the accumulated knowledge from their concentration in economics.

Two meetings each week. Three credits each semester.

Open only to concentrators who have completed all other requirements for the major in economics or who are concurrently completing the major by taking one or two 300 or 400 level courses.

413 INTRODUCTION TO ECONOMETRICS*Alternate years*

An elementary survey of the theoretical and empirical literature of the field of economics devoted to the statistical formulation of propositions derived from economic theory. Some attention is given to materials dealing with particular distributions which tend to characterize certain economic data. Emphasis is given to simple and multiple regression analysis as a major statistical tool of economic analysis.

Three class hours each week. Three credits.



Dr. Ronald H. Provost, Chairman; Gianni, Grady, Kellner, Michaels.

The Department of Chemistry offers programs to meet the needs of those students whose primary interest is chemistry and who intend to pursue graduate studies or enter directly into industry or secondary school teaching. With an appropriate choice of electives the Chemistry concentration can be the foundation for a career in medicine, dentistry, or allied health sciences. The Department also provides courses in chemistry to supplement studies in the other disciplines.

The concentration in Chemistry should be chosen only by students who have a good aptitude for the physical sciences and mathematics. Students who plan to attend graduate school should bear in mind that a reading knowledge of French and/or German may be required.

Required courses for concentrators: Chemistry 105, 109, 204-206, 302-304, 305-307, 410, 415 and two additional semester lecture courses in Chemistry; Physics 210-212; Mathematics 105-107 and 201-203. Mathematics 303 is recommended for students intending to pursue graduate studies in Chemistry.

100 CHEMISTRY FOR CHANGING TIMES *Fall and Spring*

The classical principles of chemistry are applied to modern day science and technology. Topics discussed include food additives, drugs, nuclear power, plastics and pesticides.

Three class hours each week. Three credits.

103 STOICHIOMETRY *Fall*

A comprehensive study of quantitative relationships in chemical reactions. The laboratory consists of the study of classical methods in qualitative and quantitative analysis.

Three class hours and one laboratory each week. Four credits.

105 STOICHIOMETRY *Fall*

Lecture same as 103. The laboratory presents a more extensive study of qualitative and quantitative methods of chemical analysis.

Three class hours and two laboratories each week. Five credits.

107 CHEMICAL BONDING AND ENERGETICS *Spring*

Topics covered include atomic structure, bonding and molecular structure, basic thermodynamic relationships, reaction kinetics and acid-base theory. The laboratory consists of a continued study of quantitative analytical methods.

Three class hours and one laboratory each week. Four credits.

109 CHEMICAL BONDING AND ENERGETICS *Spring*

Lectures same as 107. The laboratory consists of a more intensive study of modern methods of quantitative analysis.

Three class hours and two laboratories each week. Five credits.

111 ENVIRONMENTAL CHEMISTRY *Fall and Spring*

A study of the problems of environmental pollution with the main focus on the chemistry and chemical compounds involved.

Three class hours each week. Three credits.

201-203 ORGANIC CHEMISTRY *Two semesters*

A study of organic reactions with emphasis on functional groups, reactive intermediates, reaction mechanisms, and synthesis. The laboratory consists of experiments designed to familiarize the student with the experimental techniques of organic chemistry and to demonstrate some of the principles presented in the classroom.

Three class hours and one laboratory each week. Four credits each semester.

204-206 ORGANIC CHEMISTRY *Two semesters*

Lectures same as 201-203. The laboratory consists of an introduction to organic laboratory techniques with emphasis on qualitative analysis by classical and instrumental methods.

Three class hours and two laboratories each week. Five credits each semester.

301-303 PHYSICAL CHEMISTRY I and II

Two semesters

This course considers the laws and energy relationships which describe physical states and chemical processes. It includes a detailed study of thermodynamics, physical states of matter, kinetics, equilibria and modern concepts of atomic and molecular properties.

Prerequisites: Math 103 or equivalent; one year of college physics.

Three class hours each week. Three credits each semester.

302-304 PHYSICAL CHEMISTRY I and II*Two semesters*

Lectures same as 301-303. The laboratory emphasizes techniques for measuring the physical properties and energy changes of chemical systems.

Prerequisites as for 301-303.

Three class hours and two laboratories each week. Five credits each semester.

305 INORGANIC CHEMISTRY*Fall*

A study of atomic structure and periodicity, nuclear structure and reactions, and inorganic synthesis.

Prerequisites: Chemistry 103 and 107 or equivalent.

Three class hours each week. Three credits.

307 ADVANCED INORGANIC CHEMISTRY*Spring*

A study of stereochemistry and reaction mechanisms in inorganic chemistry.

Prerequisite: Chemistry 305.

Three class hours each week. Three credits.

401 ADVANCED ORGANIC CHEMISTRY*Fall*

A comprehensive study of modern organic synthesis with emphasis on reaction mechanisms and stereochemistry.

Prerequisite: One year of Organic Chemistry.

Three class hours each week. Three credits.

403 PHYSICAL ORGANIC CHEMISTRY*Spring*

A study of organic reactions with emphasis on rates, activation parameters, molecular orbitals and symmetry.

Prerequisite: One year of Organic Chemistry.

Three class hours each week. Three credits.

410 SEMINAR*Two semesters*

This course is designed to familiarize the student with the literature of chemistry. Each student will present a series of seminars from current chemical literature. In addition, each student will defend orally an original research proposal. This proposal should demonstrate a comprehension of current chemical problems and an appreciation for the experimental methods.

Three credits each semester.

413 INSTRUMENTAL ANALYSIS*Fall*

This course presents the theoretical and practical aspects of instrumental analytical chemistry. The laboratory consists of electrochemical, spectrometric, chromatographic, and radiometric methods of analysis.

Prerequisites: One year each of college level Physics & Organic Chemistry.

Three class hours and one laboratory each week. Four credits.

415 PHYSICAL CHEMISTRY III*Fall*

A continuation of Chemistry 301-303.

Prerequisites: Chemistry 301-303.

Three class hours each week. Three credits.

421 and 423 CHEMICAL RESEARCH*Fall and Spring*

The laboratory work consists of a research effort designed to introduce current chemical research problems and techniques. A written report is required.

Three credits per semester.

The program in environmental studies is designed to provide a foundation in the physical and biological sciences coupled with an understanding of the socio-economic influences involved in environmental decision making.

The broad spectrum of required courses is designed to inculcate methods and insights so that the student's judgments relative to environmental problems will reflect a balance between scientific and socio-economic viewpoints.

Required courses: Chemistry 105-109, 204, 410, 413, 421-423; Biology 101-103, 206, 321, 405; Mathematics 102-103; Political Science 205; 324; Sociology 305; Physics 220-222.

Electives will be chosen by the student in consultation with an advisor so as to satisfy the needs and the interests of each student.

CHEMISTRY

105-109 STOICHIOMETRY/CHEMICAL BONDING AND ENERGETICS *Two semesters*

A comprehensive study of weight and equivalence relationships in chemical reactions, atomic structure, molecular structure, basic thermodynamics relationships, kinetics and acid base theory. The laboratory consists of the study of methods in qualitative and quantitative analysis with application to environmental systems.

Three class hours and two laboratories each week. Five credits each semester.

204 ORGANIC CHEMISTRY *Fall*

A study of organic reactions with emphasis on functional groups, reactive intermediates, reaction mechanisms, and synthesis. The laboratory consists of experiments designed to familiarize the student with the experimental techniques of organic chemistry and to demonstrate some of the principles presented in the classroom.

Three class hours and two laboratories each week. Five credits.

410 SEMINAR *One semester*

Seminars will emphasize the impact that environmental decisions have on society through student led discussions and presentations.

Three credits.

413 INSTRUMENTAL ANALYSIS *Spring*

This course presents the theoretical and practical aspects of instrumental analytical chemistry. The laboratory consists of electrochemical, spectrometric, chromatographic, and radiometric methods of analysis.

Prerequisites: One year of college level Physics & Chemistry.

Three class hours and one laboratory each week. Four credits.

421-423 ENVIRONMENTAL RESEARCH *Two semesters*

This course provides the student with an opportunity to work on the solution of a local environmental problem or to develop new analytical procedures with application to environmental studies.

A final written report is required.

Three credits each semester.

BIOLOGY

101-103 GENERAL BIOLOGY *Two semesters*

A comprehensive consideration of the structural and functional organization of plants and animals and the interrelationships of these organisms with one another and with the environment. The Spring semester provides an introduction to molecular and cellular biology, genetics, development, and evolutionary theory.

The laboratory is designed to provide the student with fundamental experience in developing methods of biological observation and experimentation.

Prerequisite: Biology 101 for 103.

Lectures and a laboratory each week. Four credits each semester.

206 FIELD BIOLOGY *Fall*

A study of local Fall flora and fauna. Local field trips emphasize the vascular plant flora. Independent collection, identification and preservation of plant and animal specimens is required. Lectures cover plant and animal taxonomy and phylogeny with special emphasis on the angiosperms and insects.

Prerequisite: Biology 101-103.

Lectures and a laboratory each week. Four credits.

321 ECOLOGY*Fall*

The study of the responses of animals and communities to environmental change. Concepts of physical and biotic factors and their effects on the abundance and distribution of animals are considered, as are principles of population structure, growth and energy flows in communities. Laboratories stress surveys of local habitats and standard techniques of ecological research.

Lectures and a laboratory each week. Four credits.

405 MICROBIOLOGY*Fall*

A study of the structure, development, growth and physiology of organisms classified as bacteria, algae and fungi; certain aspects of virology and immunology are considered. Laboratory explores taxonomy and morphology as well as physiology and biochemistry or micro-organisms.

Prerequisites: Junior standing.

Lectures and a laboratory each week. Four credits.

MATHEMATICS**102 ELEMENTARY STATISTICS***Fall*

Nature of statistical methods, descriptions of sample data, probability, probability distributions, sampling, estimation, hypotheses testing, correlation and regression.

Prerequisites: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

103 INTRODUCTION TO CALCULUS*Spring*

Topics in analytic geometry, derivatives and their applications, integration, applications of the definite integral.

Prerequisite: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

POLITICAL SCIENCE**205 PUBLIC****ADMINISTRATION***Alternate years*

An introduction to the organization, management, and administration of public agencies on the local, state, and national level.

Three class hours each week. Three credits.

324 ENVIRONMENTAL POLITICS*Alternate Years*

This course seeks to examine the political dimension of man's relationship to his natural environment. Emphasis will be placed on problems of natural resource use and pollution in the United States.

Three class hours each week. Three credits.

SOCIOLOGY**305 POPULATION ANALYSIS***Fall*

This course will be concerned with population size, distribution, and composition, and the relationships between these factors and economic and political conditions. Particular attention will be paid to "underdeveloped" areas of the world, the resource "crisis" and ecological problems.

Three class hours each week. Three credits.

PHYSICS**220-222 GENERAL PHYSICS***Two semesters*

Liberal Arts students will enjoy this rigorous survey course in physics. Topics covered will be Newtonian dynamics, thermodynamics, kinetic energy, electricity and magnetism, optics and modern physics. Examples and problems will be taken from all areas by emphasizing the relation of physics to astronomy, chemistry and biology. This course satisfies the requirement for medical and dental schools.

Prerequisites: A working knowledge of algebra, geometry, trigonometry; Mathematics 102-103.

Three class hours and one laboratory each week. Four credits each semester.

Dr. James P. Conley, Chairman; Citarella.

The Department of Classics offers courses in Latin and Greek for students who wish to develop a capacity to read the literature written in those languages. It offers also courses in the history of Greek and Roman civilization and literature in translation for all interested students.

A program of concentration is offered in Latin for those students who plan to do graduate work in Classical or Romance languages and in the field of ancient or medieval history, and for those who expect to teach Latin in the secondary schools or those who are interested in the cultural value of the Classics. The following are the objectives of the program: to develop the student's ability to read and translate at sight representative works of Latin authors; to teach the student skill and style in Latin composition, conversation and prosody; to develop an understanding of the lasting contribution of Graeco-Roman civilization to our culture and way of life.

Required of concentrators: Latin 105-7, 201-3, 301, 303, 401-3, 410.

Recommended electives: Greek 101-3, 201-3;

Classical Civilization 211, 301-3, 305-7.

GREEK

101-103 ELEMENTARY GREEK *Two semesters*

Introduction to the forms, vocabulary and syntax of classical Attic Greek. Selected readings from Xenophon and Plato.

Three class hours each week. Three credits each semester.

201-203 GREEK PROSE LITERATURE *Two semesters*

Study of the fundamentals of Classical Greek. Selected readings from Demosthenes, Plato and Thucydides.

Three class hours each week. Three credits each semester.

201 ROMAN HISTORIANS *Fall*

Selected readings from Sallust, Cicero, Caesar, Livy and Tacitus with lectures and readings on the development of historical writing in Rome.

Three class hours each week. Three credits.

203 ROMAN LYRIC POETRY *Spring*

Selected readings from Catullus, Horace and Virgil. A study of Roman poetical forms and genres.

Three class hours each week. Three credits.

301 PATRISTIC LATIN *Fall*

Readings from St. Augustine's *Confessions* and *City of God*, and from prose and poetry writings of other Latin Church Fathers.

Three class hours each week. Three credits.

303 MEDIEVAL LATIN *Spring*

A survey, through selected readings, of the secular and religious poetry and prose from the sixth to the thirteenth century A.D.

Three class hours each week. Three credits.

401-403 ADVANCED LATIN PROSE COMPOSITION *Two semesters*

A study of Latin rhetoric with particular emphasis on the appreciation of the differences between formal, oratorical and epistolary style. Translation and composition based on selected models from Latin literature.

Three class hours each week. Three credits each semester.

LATIN

101-103 ELEMENTARY LATIN *Two semesters*

An introduction to the basic forms, vocabulary and syntax of Latin.

Three class hours each week. Three credits each semester.

105-107 INTERMEDIATE LATIN *Two semesters*

A review of the basic structure and idioms of the Latin language. The aim of this course is to develop a reasonable ability in reading, translation, composition and conversation.

Prerequisite: Two years of high school Latin, or Latin 101-103.

Three class hours each week. Three credits each semester.

**410 COORDINATING SEMINAR
IN LATIN***Two semesters*

Reading program begun in the junior year is continued from a second area of concentration. Two research papers, a philological and historical study are required from each concentrator. Written and oral reports will form the basis of discussion for the meetings.

Three class hours each week. Three credits each semester.

CLASSICAL CIVILIZATION**211 CLASSICAL MYTHOLOGY: THE
DIVINITIES OF GREECE AND
ROME***Fall*

This course is an introduction to the varied world of myth among the Greeks and Romans. Its scope extends from the Greek stories of creation to the transmission of Greek myth to Rome. The antique tales, striking plots, and remarkable characters that have enjoyed some popularity through the ages are considered by reading works of authors such as Homer, Virgil, and Ovid. References to art and music as well as to the role that myth has played in the enrichment of our English literature and vocabulary supplement the basic readings.

Three class hours each week. Three credits.

**301-303 HISTORY OF
GREECE***Not offered 78-79*

The rise and development of Hellenic culture. The course is devoted to a study of the political and social history of Greece from the beginnings to the age of Alexander. This is preceded by a survey of the Oriental civilizations by which the Greeks were influenced.

Three class hours each week. Three credits each semester.

**305-307 HISTORY OF
ROME***Two Semesters*

A study of the political and social history of Rome from the origins to the Fourth Century of the Christian Era.

Three meetings each week. Three credits each semester.

**316 ENGLISH ETYMOLOGY I PART:
GREEK***Fall*

A brief introductory background to the history of the Indo-European family of languages is followed by a study of the most common phonetic and morphological changes in the Indo-European group. The main emphasis of the program will be the derivation of English words from Greek bases and word analysis, giving special attention to unfamiliar words and to scientific and technical vocabulary.

Three class hours each week. Three credits.

**318 ENGLISH ETYMOLOGY II PART:
LATIN***Spring*

A continuation of the program of Part I with emphasis on the derivation of English words from Latin bases. Word analysis, giving special attention to unfamiliar words and to the scientific and technical vocabulary.

Three meetings each week. Three credits.

**321-323 THE GROWTH OF ROMAN
POLITICAL AND
SOCIAL INSTITUTIONS***Not offered 78-79*

The rise of the city. The aristocratic constitution; the struggle of the orders and the triumph of democracy. The political and social organization of the Republic.

Three meetings each week. Three credits each semester.

403 THE CLASSICAL EPIC*Not offered 78-79*

This course deals with the genre of epic as it has developed from Homer through Virgil and Milton. Works to be treated include: *Iliad*, *Odyssey*, *Argonautica*, *Aeneid* and *Paradise Lost*. Reference will be made to various medieval epics and to the *Luciads* and *Jerusalem Liberata*.

Three meetings each week. Three credits.

**405 THE GREEK AND THE
ROMAN THEATRE***Spring*

From Aeschylus to Seneca. The development of dramatic forms from Attic drama to Roman comedy, with reference to modern adaptations.

Three meetings each week. Three credits.

Professor Frederick J. O'Brien, Chairman; Coombs, Moriarty.

The Education Department has the following offerings for the Saint Michael's undergraduate:

- a. A Vermont-approved elementary teacher certification program.
- b. Vermont-approved secondary teacher certification programs in mathematics, biology, chemistry, Greek, Latin, Spanish, English, social studies, art, and music.
- c. A few elective courses open to all students.

Please note that the department does not offer a concentration and does not offer certificates in areas other than those listed above.

Teacher Certification Programs. The certification programs are intended for those students seriously considering teaching as a profession. Interested students should consult with the Education Department before pre-registering for the Sophomore year. If accepted, the student will pursue excellence in the concentration while devoting some electives to teacher preparation.

The elementary program requires 30 credit hours in education:

- Sophomore year: Fall - Educ. 231 Analysis of Schools
Spring - Educ. 323 Preparation for Teacher Certification I
- Junior year: Fall - Educ. 325 Preparation for Teacher Certification II
- Educ. 333 or 339 Social Studies or Scientific Methods
Spring- Educ. 355 Seminar in Classroom Behavior
- Educ. 337 Elementary Mathematics Methods
- Senior year: Fall - Educ. 407 Preparation for Teacher Certification
- Educ. 333 or 339 Social Studies Methods or Scientific Methods
Spring- Educ. 424 Supervised Practice Teaching (two courses, 6 credits)

The secondary programs require 21 credit hours in education. The course sequence is the same as for the elementary program, excluding the Methods courses (Educ. 333, 335, 337, 339.)

Teacher Certification Course Descriptions. Enrollment is with departmental permission only.

231 ANALYSIS OF SCHOOLS AND TEACHING STYLES *Fall*

This course is designed for the sophomore who is considering enrolling in a teacher certification program. Thirty hours of observation in area schools, reading, papers, and class discussions will lead to the following objectives: to become oriented to contemporary education, to decide whether to pursue elementary or secondary certification, and to begin development of one's own teaching style.

Three credits.

323-325, 407 PREPARATION FOR TEACHER CERTIFICATION, I, II, III.

Fall and Spring

Courses consisting of "modular" learning activities and individualized study designed and scheduled to meet the needs of the individuals enrolled in the program. The learning objectives are derived from "Minimum Objectives for Undergraduate Teacher Candidates," available from the department. The areas of study include: media, basic statistics, educational philosophy and history, evaluation and grading, curriculum and instruction, reading improvement methods, humanistic education, career education, subject-area methods, and other miscellaneous topics.

Three class hours each week. Three credits each semester.

333 ELEMENTARY SOCIAL STUDIES METHODS *Fall*

A self-instructional course consisting of a series of objectives in elementary social studies methods to be completed at one's own pace. Field experience complements the self-instructional component.

By arrangement. Three credits.

335 ELEMENTARY READING AND LANGUAGE ARTS METHODS *Fall*

An introduction for the prospective elementary teacher to the field of developmental reading and language arts. Classroom activities coupled with in-service laboratory work constitute the core of the course.

Three hours each week. Three credits.

337 ELEMENTARY MATHEMATICS METHODS *Spring*

An introduction for the prospective elementary teacher to the theory and practice of mathematics education at the elementary school level. Coursework will include participation in mathematics instruction in a local elementary school.

Three credits.

339 ELEMENTARY SCIENCE METHODS *Fall*

An introduction for the prospective elementary teacher to the theory and practice of science education at the elementary school level. Coursework will include participation in science instruction in a local elementary school.

Three credits.

355 SEMINAR IN CLASSROOM BEHAVIOR *Spring*

This course is a study of various approaches to understanding and dealing with classroom behavior. Dreikurs, Glasser, Harris, Gordon, and Continency Management will be studied with readings, discussion, and demonstrated mastery of each approach required.

Three class hours each week. Three credits.

424 SUPERVISED PRACTICE TEACHING *Spring*

During the senior year the student will engage in an extensive practice teaching experience under the supervision of a cooperating teacher in the host school, an education department staff member, and in some cases a concentration-area advisor. The student should plan to teach for an entire public school semester, with the details and scheduling to be worked out by the student and his supervisors.

By arrangement. Six credits (counts as two courses).

ELECTIVE COURSES
(Enrollment open to all students with permission of instructor.)

351 DEVELOPMENTAL BEHAVIOR *Fall or Spring*

A survey course intended as an elective for anyone with material drawn from the literature of individual psychology according to Alfred Adler and Rudolf Dreikurs, and designed to convey essential aspects of psychological development from infancy to old age.

Three class hours each week. Three credits.

353 DYNAMICS OF THE FAMILY *Fall*

This course will explore the principles and approaches to the psychological factors of the dynamics of the family, the marital relationship in a democratic atmosphere, and the challenge of raising a responsible child in this atmosphere.

Three class hours each week. Three credits.

Dr. John Reiss, Chairman, Clary, Engels, Henault, Kaplan, Lahage, McDonough, Murphy, Stapleton.

Since the writing of the Homeric epics, the Western World has acknowledged the importance of studying language and literature. The great universities have always recognized the power of poetry, drama, and fiction to convey knowledge of human existence, and even Jesus, Socrates, and the Hebrew prophets taught by means of parable and allegory. The English language has produced a literature which has surpassed that of any other language. Surely a command of the English language and a thorough knowledge of its literature is a worthy quest for undergraduates, whether they seek careers in teaching and scholarship, or in law, business, publishing, journalism, radio, or television.

English concentrators are required to take a one-semester course in literary method in their first year (English 123). This course is intended to give students a critical vocabulary and to instruct them in the close reading of and writing about literature. It should be taken prior to any other literature course.

Other concentration courses offer further instruction in literature, in language, and in some of the major writings and periods of British and American literature. In addition to fulfilling the departmental requirements listed below in italics, students should choose their courses so as to study both early and recent writers and periods and both individual writers (Chaucer, Milton) and whole eras (courses presented chronologically).

In all courses English concentrators are expected to maintain a reasonably high level of written expression in examinations and in short and long papers. Notable deficiencies in the fundamental decencies of writing should be regarded as a serious impediment to concentration in English. In fact, students with a grade below C in English 123 will be discouraged from continuing in English as a field of concentration.

Only students who like to read both poetry and prose and who have some facility in writing should become English concentrators. An essential part of the English curriculum is the writing of short and long critical and scholarly papers. Students who are not already acquainted with scholarly methods or who do not know how to use the library effectively, should be prepared to acquire the necessary skills.

The Department of English offers an honors program for outstanding students. English concentrators chosen for the honors program are eligible for the English Honors Seminar (English 450) and the Senior Honors Seminar in English (English 410E). The department also provides a Writing Clinic for undergraduates who need remedial instruction in writing.

Students transferring into English from other concentrations must have an overall 2.0 grade point average and departmental approval.

Required of concentrators: English 123, 325, 410, and at least one semester of a British literature survey course (Eng. 219 or 221) and one semester of an American literature survey course (Eng. 251 or 253), and any other combination of English courses numbered 200 and above which will bring the total number of credits to thirty. Drama 301 and 303 may also be counted as English courses.

English concentrators in the teaching certification program must take English 101, 105, 405, and 430 in addition to the other required courses.

101 COLLEGE WRITING I

Fall and Spring

The aim of this course is to help the student improve his writing. To this end, various obstacles to effective communication are discussed; good examples of the art are read; and the student is encouraged, as well as required, to write.

Three class hours each week. Three credits.

105 ADVANCED COLLEGE WRITING

Fall and Spring

This course has two particular aims. First, it is intended to help students become more effective in their writing for various courses. Second, it is intended to help students become more aware of writing deficiencies, whether their own or the deficiencies of others. This course is required of English concentrators in the teaching certification program, but it is also open to other students who want to improve their writing.

Prerequisite: English 101

Three class hours each week. Three credits.

123 INTRODUCTION TO LITERARY STUDIES *Fall and Spring*

This course offers concentrators intensive training in the close reading and analysis of poems, plays, and short stories. Students will be expected to acquire a critical vocabulary and master basic concepts of literary form, structure, and technique. Students should take this course in the first or second semester of their freshman year.

Primarily for concentrators. This course is to be taken in the first or second semester of the first year before any other literature course. Three class hours each week. Three credits.

211 GENRES: POETRY *Fall*

An intensive study of poetic forms. Recommended for English concentrators who have completed English 123.

Three class hours each week. Three credits.

212 GENRES: FICTION *Spring*

An intensive study of types of fiction ranging from the fable through the short story, the novella, and the novel. Recommended for concentrators who have completed English 123.

Three class hours each week. Three credits.

213 GENRES: DRAMA *Spring*

An intensive study of drama with special emphasis on tragedy and comedy. Recommended for concentrators who have completed English 123.

Three class hours each week. Three credits.

215-217 MAJOR DEVELOPMENTS IN ENGLISH LITERATURE I & II

Fall and Spring

This course surveys literary periods, movements, ideas, and writers from early English times to the present. It is designed primarily for non-concentrators who would like an overview of English literature.

Three class hours each week. Three credits each semester.

219 BRITISH LITERATURE I *Spring*

A survey of British literature from the beginnings to 1800.

Three class hours each week. Three credits.

221 BRITISH LITERATURE II *Fall*

A continuation of the survey from 1800 to the mid 20th century.

Three class hours each week. Three credits.

223-225 THE WRITING OF POETRY AND FICTION

Fall and Spring

Three class hours each week. Three credits.

234 CREATIVE WRITING WORKSHOP I *Not offered 78-79*

This course will have no regular schedule of lectures or discussions. Instead, each student will be expected to contribute material in his chosen genre. The stories, poems, and plays will be duplicated, distributed to the class in advance of the meeting and then discussed. An important part of this workshop will be individual consultation with the director. Permission of professor is required before enrollment.

Three class hours each week. Three credits. Prerequisite: English 223-225.

236 CREATIVE WRITING WORKSHOP II *Not offered 78-79*

This course is a continuation of English 234 and is designed for those students who wish to continue writing or who were unable to take the workshop during the first semester. English 234 is not a prerequisite. Permission of professor is required before enrollment.

Three class hours each week. Three credits. Prerequisite: English 223-225.

251 AMERICAN LITERATURE I *Fall*

Students will read the works of American writers from Colonial times to the late nineteenth century.

Three class hours each week. Three credits.

253 AMERICAN LITERATURE II *Spring*

Students will read the works of American writers from the late nineteenth century to the 1960's.

Three class hours each week. Three credits.

301 CHAUCER I *Fall*

Each of the Canterbury Tales, except for the two prose treatises, is closely read and is discussed in class. Students also read a volume of scholarly and critical papers.

Three class hours each week. Three credits.

303 CHAUCER II *Not offered 78-79*

Students will read all of the poetry of Chaucer except the Canterbury Tales.

Three class hours each week. Three credits.

305 SHAKESPEARE *Fall*

This course is designed to provide the student with a sound understanding of Shakespeare's career as a dramatic artist. Representative histories, tragedies, and comedies will be dealt with chronologically. Students should expect to read at least a dozen plays during the semester and to concern themselves with matters both theatrical and aesthetic.

Three class hours each week. Three credits.

309 MILTON*Not offered 78-79*

Students will read Milton's important works, including *L'Allegro*, *I Penseuses*, *Comus*, *Lycidas*, *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* as well as selected prose that bears a particular relationship to his poetry.

Three class hours each week. Three credits.

319-321 MODERN WORLD LITERATURE I & II*Fall and Spring*

Works are selected from the literature of Africa, Asia, and Latin America, with special attention to the novel. Writers studied include Achebe, Sembene, Raja Rao, Kawabata, Tanizaki, Mishima, Azuela, Fuentes, Borges, Neruda, and Mistral.

Three class hours each week. Three credits each semester.

325 ADVANCED LITERARY STUDIES*Spring*

In this course concentrators will study the work of theoretical and practical critics and will attempt to evaluate literary works in various short and long papers.

Prerequisite: English 123.

Three class hours each week. Three credits.

331 RENAISSANCE AND SEVENTEENTH CENTURY BRITISH LITERATURE*Spring*

This course is designed to deal with the major works in prose, poetry, and drama produced in England from the birth of British Humanism through the experience of the Counter-Renaissance. Such figures as More, Wyatt, Sidney, Spenser, Bacon, Donne, Marlowe, Shakespeare, Jonson, Milton, and Bunyan are a representative sampling.

Three class hours each week. Three credits.

335 EIGHTEENTH CENTURY BRITISH LITERATURE*Spring*

A survey of the major poets and prose writers from Dryden to Burns.

Three class hours each week. Three credits.

337 THE BRITISH ROMANTIC POETS*Not offered 78-79*

Students will read the works of Wordsworth, Coleridge, Byron, Shelley, and Keats.

Three class hours each week. Three credits.

339 MAJOR VICTORIAN POETS*Not offered 78-79*

This course emphasizes the poetry of Tennyson, Browning, and Arnold, although some attention is usually given to other Victorian poets.

Three class hours each week. Three credits.

341-343 TWENTIETH CENTURY POETRY I & II*Not offered 78-79*

In English 341 students will read in the poetry and prosody of Yeats, Pound, and Eliot; in English 343, Williams, Stevens, and Moore, or Roethke, Lowell, Kunitz, and Berryman.

Three class hours each week. Three credits each semester.

351 COLONIAL AND REVOLUTIONARY AMERICAN LITERATURE*Not offered 78-79*

Extensive readings in several writers from the Colonial and Revolutionary periods, with emphasis on Jonathan Edwards, Thomas Jefferson, and recent scholars such as Perry Miller and Merrill Peterson.

Three class hours each week. Three credits.

355 EIGHTEENTH CENTURY BRITISH NOVEL*Not offered 78-79*

Readings will include novels by Defoe, Richardson, Fielding, Sterne, and others.

Three class hours each week. Three credits.

357 NINETEENTH CENTURY BRITISH NOVEL*Not offered 78-79*

Readings will include novels by Scott, Austen, Bronte, Dickens, Thackeray, Meredith, Hardy, Conrad, and others.

Three class hours each week. Three credits.

359 TWENTIETH CENTURY BRITISH NOVEL*Not offered 78-79*

Readings will include novels by Lawrence, Forster, Huxley, Burgess, Sillitoe, and others.

Three class hours each week. Three credits.

361 NINETEENTH CENTURY EUROPEAN NOVEL*Not offered 78-79*

Emphasis will be placed on the major French and Russian novelists, Stendahl, Flaubert, Balzac, and Tolstoy and Dostoevsky.

Three class hours each week. Three credits.

363 TWENTIETH CENTURY EUROPEAN NOVEL*Not offered 78-79*

Readings will include works by Gide, Proust, Sartre, Mann, Hesse, Musil, Unamuno, Silone, Kazantzakis, and others.

Three class hours each week. Three credits.

391 MAJOR BRITISH WRITERS*Fall and Spring*

Students read the works of two or three major British writers; for example, Bacon-Burton-Browne, Swift-Pope, Austen-Dickens.

Three class hours each week. Three credits.

393 MAJOR AMERICAN WRITERS*Spring*

Students read the works of two or three major American writers; for example, Jefferson-Adams, Twain-James, O'Neill-Miller-Williams.

Three class hours each week. Three credits.

405 HISTORY OF THE ENGLISH LANGUAGE *Spring*

A study of the development of the English language from the time of the Anglo-Saxons to the present day.

Three class hours each week. Three credits.

407 BLACK AMERICAN LITERATURE *Not offered 78-79*

After a brief historical survey of black writers since the Civil War, the course will focus on major contemporary poets, novelists, and playwrights. Writers studied include Ellison, Baldwin, Wright, Williams, Kelley, Killens, Brooks, Bullens, and Jones.

Three class hours each week. Three credits.

409 IRISH LITERATURE *Not offered 78-79*

Primarily a study of Joyce, Yeats, Synge, and O'Casey.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN ENGLISH *Two semesters*

This two-semester seminar is designed to be an English concentrator's most important course, the one in which he does his best work and most fully demonstrates the skills acquired in his previous years of reading, writing, and studying. As much as possible, student choice of subject matter will be honored.

Three class hours each week. Three credits each semester.

411 AMERICAN RENAISSANCE *Not offered 78-79*

A study of the major works of Emerson, Thoreau, Hawthorne, Melville, and Whitman, with an emphasis on F. O. Matthiessen's interpretation of the 1850-1855 literary period.

Three class hours each week. Three credits.

413 AMERICAN NATURALISM *Fall*

A study of American fiction from Stephen Crane to William Faulkner, with special emphasis on the work of Fitzgerald, Hemingway, and Faulkner.

Three class hours each week. Three credits.

414 AD HOC SEMINAR IN ENGLISH *Spring*

Some possible seminars are: Henry James, Prose Style, Asian Literature, African Literature, Latin-American Literature, American Jewish Fiction, Romanticism. For further information contact Department Chairman. Enrollment by consent of the professor.

Three class hours each week. Three credits.

415 MIDDLE ENGLISH LITERATURE *Not offered 78-79*

Students will read in the original representative selections of the non-Chaucerian, non-dramatic literature composed between 1100-1500.

Prerequisite: English 301.

Three class hours each week. Three credits.

419 A SURVEY OF SCOTTISH LITERATURE *Not offered 78-79*

Representative works from this important, neglected literature varying from Henryson and Dunbar to Burns, Fergusson and Scott to works of the twentieth century Scottish Renaissance, especially those of MacDiarmid. Scottish literature will be considered in light of the "Caledonian anti-syzygy" theory, which assumes that Scotland has for hundreds of years been a country divided against itself emotionally, intellectually, religiously, and geographically.

Three class hours each week. Three credits.

420 TUTORIAL IN INDEPENDENT STUDIES *Two semesters*

The aims of this tutorial are similar to those in English 410. Each student will develop a project independently and will be provided with individual consultation and instruction outside the classroom. Only students with B average in concentration may register for this course. Professor's permission is required.

Three credits.

425 POLITICS AND LITERATURE *Fall*

This course is taught in conjunction with the Department of Political Science. Usually it considers only one genre (for example, the novel) and examines the political role often assumed by the European writers.

Three class hours each week. Three credits.

430 TEACHING ENGLISH IN THE SECONDARY SCHOOLS *Fall*

This course is required of English concentrators in the teaching certification program. The course is designed to help student-teachers understand various methods for teaching writing and literature courses at the secondary school level.

Three class hours each week. Three credits.

450 ENGLISH HONORS SEMINAR *Fall*

During the spring semester the Department of English faculty elects six to twelve English Honors Students who will be sophomores, juniors, and seniors during the following academic year. The choice of subject for the seminar (for example, Satire, American Idealism, etc.) will be chosen by instructor assigned to teach the course. This choice should be made after consultation with the elected students, and it should not duplicate courses already listed.

Open only to English Honors Students.

Three class hours each week. Three credits.

SPECIAL CONCENTRATION: DRAMA/ENGLISH

This sequence of courses is designed primarily, but not exclusively, for students seeking to be certified as secondary school teachers. Candidates for such certification must augment this curriculum by following English 105 and 430 as well as appropriate courses required by the Education Program.

From the Department of English (which see): English 101, 123, 219, 221, 251, 253, 305, 325, and 410.

From the Department of Fine Arts (which see): Drama 201, 301, 303, 305, 309, 311, 401 and Communications 205.

Professor Donald Rathgeb, Chairman; Kennedy, LeClair, J. Rathgeb, Richbourg, W. Tortolano, M. Tortolano.

Fine Arts are important manifestations of the intellectual growth and development of the educated man. The liberal arts program at Saint Michael's College recognizes that all students should be aware of the significant artistic media of expression against a background of history and literature. With this in mind, the Fine Arts Department has instituted a concentration in Fine Arts in which students may develop an emphasis in art, drama, music, or any approved combination of these areas. In addition, the Department opens its courses to qualified non-concentrators as electives.

To provide for practical expression of the arts, the Fine Arts Department sponsors the following organizations: Glee Club, Chorale, Musical Ensemble, and Drama Club, all open to any of the College community.

It is possible for students to combine more than one area (art, drama, music). In such cases the student will work out the program with the department chairman, who must approve it. Students transferring into Fine Arts from other concentrations after the sophomore year must have an overall 2.0 grade point average and departmental approval.

The Fine Arts and English Departments offer the possibility of planning an individualized program which may meet the minimum requirements for Secondary Teacher Education in the area of English and Drama. Students interested in the English-Drama combination should consult the Chairman of each Department.

Certification in Secondary Art or Music Education is available to qualified students who can meet all the state competency requirements in Art or Music and satisfactorily complete the Education certification requirements. Those interested in Art or Music Secondary certification should consult the chairperson.

Required of concentrators: Fine Arts, ART: 203, 205, 305, 307, 309-11, 401-3, 410, and a minimum of three credits in Drama, three credits in Music. DRAMA: 201, 301, 303, 305, 309, 311, 410, and a minimum of three credits in Art, three credits in Music and three additional courses in Drama. MUSIC: 201, 203, 307, 309, 311, 317, 319, 331, and participation in a performing group (Music 397, 398, or 399) and three credits in Music 421, and a minimum of three credits in Art, three credits in Drama.

ART EDUCATION

Art Education: Art 203, 205, 207, 305, 307, 309-11, 339, 410, 417 and one credit in "wheel throwing" through the cooperating artist program and a minimum of three credits in Drama and three credits in Music. Also, Education: 231, 323, 325, 355, 407 and 424.

Admissions requirements for acceptance into Art Education

1. Admission is applied for at the end of the sophomore year.
 2. Admission will be by interview and qualifying tests.
 3. Students must show a knowledge of color theory in practical work, although not in all media (water, oils, acrylics, or mixed at this stage).
 4. A portfolio must be presented demonstrating mastery in use of line, form and value in drawing from observation; one and two point perspective; principles of composition.
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MUSIC EDUCATION

MU 201, 203, 307, 309, 311, 313, 317, 319, 331, 410, Education 231, 323, 325, 355, 407, 424, plus major and minor instrument, and participation in a performing group (MU 397, 398, 399, or more than one of these), and a minimum of three credits in art, three credits in drama. Those in Music Education Instrumental will also take Music 351, 353 and 355 while those in Music Education vocal will also take 209-211.

Admission requirements for acceptance into music education program:

Instrumental:

1. Scales and arpeggios in all keys, major and minor.
2. Ability to play a representative piece on the major instrument; (example; Mozart's Clarinet Concerto)
3. Four years participation in high school band or the equivalent (private lessons on the major instrument).
4. Piano requirement for instrumental:
 - a. Scales and primary chords (I, IV, V) all keys.
5. If piano is the major instrument as above under #1. Otherwise, piano will be required as secondary instrument and will be taught until competence is achieved.

Vocal:

1. Demonstrated ability to hear and sing in tune.
2. Fundamentals of breathing, posture and diction.
3. Ability to sing an art song.
4. Piano requirement for vocal:

ability to accompany simple fold songs and vocal arrangements.

203 THEORY AND FUNDAMENTALS OF ART

Fall and Spring

This is a course designed to equip the student with a knowledge of the fundamentals in Drawing, Perspective, Composition, Value, Color and Design; with the practical intention that the ideas developed theoretically in this course will be put to actual practice in the studio workshop. This course is a prerequisite for studio work and is required of concentrators with an Art emphasis.

Not open to Seniors.

Three class hours each week. Three credits.

205 DRAWING I

Fall and Spring

An introduction to the fundamental elements of basic free-hand drawing with stress on the development of keen observation, selective seeing and sensitive interpretation of form. Students will explore two and three dimensional aspects of drawing using a variety of media. This course is a prerequisite for studio work and is required of concentrators with an Art emphasis. Studio fee \$15.

Three class hours each week. Three credits.

207 DRAWING II

Fall

Additional drawing experience with emphasis on development of the student's potential to reinforce and expand basic drawing techniques and to gain an appreciation of past and present works. Students will use varied approaches and media such as pen and ink, wash and water color, with an emphasis on personal interpretations of ideas and feeling in visual terms. Studio fee \$15.

Prerequisite: Art 205.

Permission of Instructor.

Three class hours each week. Three credits.

305 HISTORY OF ART

Fall

An introduction to Art styles in the Western world from the Paleolithic up to the French Revolution pointing up differences in style due to historical, political or national conditions.

Three class hours each week. Three credits.

307 MODERN ART

Spring

A general survey of the visual arts of the Western world from Neo-Classicism to present avant-garde innovations.

Three class hours each week. Three credits.

309-311 PAINTING *Two semesters*

This course features creative work in principles of design, painting and handling of media. Studio fee \$15.

Prerequisite: Art 203 and 205.

Art 309 is prerequisite to Art 311.

Three class hours each week. Three credits each semester.

313 WESTERN CALLIGRAPHY *Fall and Spring*

The theory and practice of writing and lettering as an Art Form. Studio fee \$15.

Three class hours each week. Three credits.

339 ART METHODS FOR THE SECONDARY TEACHER *Not offered in 78-79*

This is a course for Art concentrators interested in teaching Art at the secondary level. The primary objective is the knowledge and understanding of the theory and methods of this teaching. Lab fee \$15.

Prerequisites: Art 203 and 205.

Three class hours each week. Three credits.

401 SCULPTURE I *Fall*

The study and practice of sculpture as a medium for creative expression. Examination and analysis of traditional and contemporary sculpture. Studio experience in modeling, carving, moldmaking and casting of the sculpture. Studio fee \$15.

Prerequisite: Art 203 and 205.

Three class hours each week. Three credits.

403 SCULPTURE II *Spring*

Continuation of the study and practice of sculpture as a medium in the various materials. Also experimentation in ceramics with the coil pot and slab construction, free forms of ceramics and use of the kiln. Studio fee \$15.

Prerequisite: Art 401.

Three class hours each week. Three credits.

405 GRAPHICS I *Fall*

An introductory studio course dealing with the Relief Method of printmaking. Emphasis upon various techniques and exploration into the creative possibilities of the media. Lectures on the appreciation of traditional and contemporary works. Studio fee \$20.

Prerequisite: Art 203 and 205.

Three class hours each week. Three credits.

407 GRAPHICS II *Spring*

Further investigation into the relief block print. Demonstration and experimentation with the Monotype, Dry Point and Etching process, with the emphasis on the use of design and color as basic factors in multi-color block printing. Studio fee \$20.

Prerequisite: Art 405.

Three class hours each week. Three credits.

411 ART TUTORIAL IN SCULPTURE *Spring*

• Individually planned studio program. Student needs and interests will determine the medium employed. Studio fee \$15.

Prerequisites: Art 203, 205, 401 and 403 and permission of instructor.

Three class hours each week. Three credits.

415 ART TUTORIAL IN PAINTING *Fall*

Individually planned studio program. Student needs and interests will determine the medium employed. Studio fee \$15.

Prerequisites: Art 203, 205, 309 and 311 and permission of Instructor.

Three class hours each week. Three credits.

417 SERIGRAPHY *Fall*

This course is to familiarize the student with the processes and materials available for the exploration of silk screen painting. Students will make their own screens and work in various techniques. Studio fee \$20.

Open only to Fine Arts Concentrators with an Art emphasis.

Prerequisites: Art 405 and 407 and permission of Instructor.

Three class hours each week. Three credits.

Interdisciplinary courses:

Philosophy 305 PHILOSOPHY OF ART

Religious Studies 459 RELIGION AND ART

COMMUNICATION

205 PRINCIPLES OF SPEECH *Fall and Spring*

A first course in speech techniques. This is a one semester course.

Three class hours each week. Three credits.

207 ADVANCED SPEECH: ARGUMENTATION AND PERSUASION *Not offered in 78-79*

The emphasis in this course is on speech content and composition.

Prerequisite: Communications 205 or permission of Instructor.

Three class hours each week. Three credits.

310 INTERNSHIPS IN COMMUNICATION *Each semester*

Vermont Educational Television offers a limited number of internships in the areas of graphic arts, production, public relations and development. Internships at other area stations are sometimes available. Only students approved by Saint Michael's College and the television directors will be accepted. Not recommended for lower division students. Those interested should contact the Chairman of the Fine Arts Department.

From 3 to 15 credits possible. By arrangement.

DRAMA

200 THEATRE LABORATORY I *Each Semester*

With each major production a theatre laboratory will be offered involving an intense study of the play, followed by active participation with the play as stage manager, designer, actor, or by extended critical essays on the author, historical period or genre. Permission of instructor is necessary.

Prerequisite: 201.

Three credits. Hours by arrangement.

201 INTRODUCTION TO THE THEATRE *Fall*

A first course in the literature and production procedures in Theatre Arts.

Three class hours each week. Three credits.

203 ORAL INTERPRETATION OF LITERATURE *Not offered in 78-79*

An introductory course in the art of communicating to an audience a work of literary art in its intellectual, emotional, and aesthetic entirety.

Three class hours each week. Three credits.

300 THEATRE LABORATORY II *Each semester*

Intensive study of the current major production play with an active involvement in an area of production or theory differing from the one chosen for Theatre Laboratory I.

Permission of instructor is required.

Prerequisite: Drama 201 and permission of professor.

Three class hours each week. Three credits.

301 CHIEF PATTERNS OF WESTERN DRAMA *Fall*

A survey of the history of drama from the Golden Age of Greece to the advent of Realism. The relationships among authors, their plays, and conditions of production are emphasized.

Three class hours each week. Three credits.

303 CONTEMPORARY DRAMA *Spring*

An investigation into the most important and influential playwrights from the beginning of Realism to the present.

Three class hours each week. Three credits.

305 FUNDAMENTALS OF PLAY PRODUCTION *Spring*

A presentation of the fundamentals of bringing a play to life: play selection, casting, style production, directing, scenery design, rehearsal scheduling. Particular emphasis is placed on technical aspects.

Three class hours each week. Three credits.

307 AMERICAN THEATRE *Not offered in 78-79*

The American heritage in drama and sub-literary forms, such as vaudeville, from the Revolution to the present.

Three class hours each week. Three credits.

309 PRINCIPLES OF PLAY DIRECTION *Spring*

In this course students learn how to direct a play. They obtain experience in casting, blocking, interpretation, polishing, and performance.

Prerequisite: Drama 201 and permission of professor.

Three class hours each week. Three credits.

311 PRINCIPLES OF ACTING I *Fall*

Theory and technique of developing characters for the stage.

Prerequisite: Drama 201 and permission of professor.

Three class hours each week. Three credits.

317 TRAINING OF THE SPEAKING VOICE *Not offered in 78-79*

A study of the structure of the vocal mechanism, techniques of projection and proper production of the spoken sound. Permission of the instructor required.

Three class hours each week. Three credits.

400 THEATRE LABORATORY III *Each semester*

Intensive study of the current major production play with an active involvement in an area of production or theory differing from the ones chosen for Theatre Laboratory I and II.

Permission of the instructor is required.

Prerequisites: Theatre Laboratory I and II.

401 ADVANCED DIRECTING *Spring*

Advanced theory and practice culminating in the direction of a play. Variable fee to cover royalty.

Prerequisites: Drama 309 and permission of the professor.

Three class hours each week. Three credits.

403 PRINCIPLES OF ACTING II*Spring*

Further study of the development of stage characterization with special emphasis on individual needs.

Prerequisites: Drama 201, 311 and permission of instructor.

Three class hours each week. Three credits.

203 THEORY II, TONAL MUSIC*Spring*

Eighteenth Century harmonic practice: Embellishing tones, harmonization and voice leading, root movements, inversions, harmony in minor, the dominant seventh, secondary triads, exercises in basic form.

Three class hours each week. Three credits.

MUSIC**201 THEORY I, INTRODUCTION TO MUSIC***Fall*

Basic musicianship, including sight singing, solège. Melodic, rhythmic, and interval dictation. Major and minor keys and scales, the primary chords.

Three class hours each week. Three credits.

205-207 PIANO CLASS*Fall and Spring*

Unless demonstrated competency justifies a waiver, this course is required of all music concentrators. It deals with basic musicianship, keyboard technique, and sight reading. Since two credits are awarded for the year's work, students who wish to complete it as a three-credit course applicable toward graduation must pursue an additional one-credit course.

One hour each week. One credit per semester.

209-211 VOICE CLASS*Fall and Spring*

Introduction to vocal technique and voice production.

See note about credits above under Mus 205.
One class hour each week. One credit.



213-215 RECORDER CLASS*Fall and Spring*

Basic musicianship, finger technique and ensemble experience.

One class hour each week. One credit per semester.

307 HISTORY OF MUSIC TO 1600*Spring*

A survey of music against the background of medieval and renaissance history and culture.

Three class hours each week. Three credits.

309 HISTORY OF MUSIC 1600-1750*Fall*

A history of musical style and performance of Baroque and pre-classical music.

Three class hours each week. Three credits.

311 HISTORY OF MUSIC 1750-1900*Spring*

The music of the Classical and Romantic periods.

Three class hours each week. Three credits.

313 HISTORY OF MUSIC FROM 1900*Not offered in 77-78*

A survey of music from Nineteenth Century. Impressionism to modern avant-garde compositions.

Three class hours each week. Three credits.

317 THEORY III, HARMONY

Dominant and secondary sevenths with their inversions; the diminished seventh; augmented chords; harmonization of melodies; figured bass modulation; analysis.

Prerequisite: Music 203.

Three class hours per week. Three credits.

319 THEORY IV, HARMONY*Spring*

More sophisticated management of the voices; chords of the ninth, eleventh, and thirteenth; the augmented, Neapolitan, French, and German sixth; twelve-tone method.

Prerequisite: Music 317.

Three class hours per week. Three credits.

321 AMERICAN MUSICAL THEATRE*Not offered in 78-79*

The distinctive American character of the Broadway musical, cinema-musical, opera and dramatic theatre is considered. When possible, the class participates in the production of a musical.

Three class hours each week. Three credits.

325 THE HISTORY OF JAZZ AS AN AMERICAN ART FORM*Fall*

The history of the music of Black Americans from point of departure in Africa to present day avant garde jazz. The influence of jazz upon American music.

Three class hours each week. Three credits.

331 CHORAL AND INSTRUMENTAL CONDUCTING*Not offered in 78-79*

Choral and instrumental conducting; baton technique, vocal production, choral literature; an opportunity to conduct college choral groups.

Written permission of instructor needed.

Three class hours each week. Three credits.

343 FOUNDATIONS OF MUSIC EDUCATION*Not offered in 78-79*

A survey of the history and development of music education from the middle ages through current practice in American education. The evolution of the music curriculum in the public schools in the twentieth century.

Three class meetings a week. Three credits.

351 PRINCIPLES OF PLAYING WOODWIND INSTRUMENTS*Not offered in 78-79*

Embouchure formation, fingerings, basic musicianship. Open only to students with permission of instructor.

One class hour each week. One credit.

353 PRINCIPLES OF PLAYING BRASS AND PERCUSSION INSTRUMENTS*Not offered in 78-79*

Embouchure formation, basic musicianship. Open only to students with permission of instructor.

One class hour each week. One credit.

355 PRINCIPLES OF PLAYING STRING INSTRUMENTS*Not offered in 78-79*

Basic bowing; finger patterns, positions.

One class hour each week. One credit.

397 GLEE CLUB*Two semesters*

The study and performance of choral literature for tenor, baritone and bass voices in a variety of styles. Attendance at rehearsals mandatory.

Three class hours each week. Three credits upon completion of three years participation.

398 CHORALE*Two semesters*

The study and performance of choral literature for mixed voices in a variety of styles. Major choral works will include the Bach Christmas Oratorio and the Brahms Requiem. Attendance at rehearsals mandatory.

Three class hours each week. Three credits upon completion of three years participation.

399 CONCERT WINDS*Each semester*

A performing instrumental group open to all students who play a wind instrument.

405 AMERICAN MUSIC *Spring*
 A survey of the development of American music from the Colonial period to the present, considering the influences of European practices and American aesthetic thought.
Three class hours each week. Three credits.

407 MUSIC EDUCATION: SECONDARY *Not offered in 78-79*
 A practical course designed to help meet the challenge of music in current secondary school situations: balanced music curriculum; general music classes; music listening classes; music theory class; instrumental music; vocal music, etc. Open only to music education concentrators or those with written permission of instructor.
Three class meetings each week. Three credits.

Interdisciplinary courses:
Science 103 ACOUSTICAL FOUNDATIONS OF MUSIC

Non-credit musical groups:
JAZZ ENSEMBLE *Each semester*
 A performing stage band. The big band style of Jazz performance. Open to qualified musicians with permission of instructor.

WOODWIND QUINTET *Each semester*
 Open to wind instrument players who would like coaching in literature for woodwind quintet and quartet.

FINE ARTS

421 THE COOPERATING ARTIST PROGRAM
 The Fine Arts Department has established a cooperating artist program which enables a qualified student to elect to study with a well known artist in the area and to receive academic credit from Saint Michael's College for this arranged study. Private lessons are currently available for violin, viola, double bass, cello, advanced piano, clarinet, flute, trumpet, oboe, bassoon, French horn, trombone, timpani and advanced voice work. Students must have permission of both artist and the Chairman of the Department.
One class hour each week. One credit. The additional fee for private lessons is equal to the cost of one credit.

410 SENIOR FINE ARTS SEMINAR *Fall*
 A practical implementation of the unifying elements and common bonds of the arts. Individual projects within art, drama, or music, according to the particular needs and interests of the student.
Three class hours each week. Three credits.

101 BALLET I *Two semesters*
 Fundamentals of the dance as a fine arts form. Open to beginners.
One hour each week. One credit per year.

201 BALLET II *Two semesters*
 Further instruction and practice in the basic techniques of body control. Preparation for point, adagio, and center floor work.
Prerequisite: Introductory ballet or its equivalent.
One hour each week. One credit per year.

301 BALLET III *Two semesters*
 Continuation of body control techniques. Beginning point work, lifts, and elementary choreography.
Prerequisite: Instructor's permission.
One hour each week. One credit per year.

Dr. Norbert A. Kuntz, Chairman; Andersen, Pfeifer.

The objectives of the concentration are as follows: (1) to give the student a general knowledge of the past, of the events which shaped the life of mankind, of the persons who influenced the course of civilization, of the institutions which human society has evolved; (2) to give him/her a more specific knowledge of one area of history, such as American, Asian, or European (Ancient through Modern); (3) to promote the student's understanding of the present and of his/her position as the heir to a continuous Christian culture, through an appreciation of the forces that produced civilizations; (4) to strengthen the student's critical faculty through the employment of the techniques of historiography, the use of analysis and synthesis, and the constant effort to determine the truth of the past; (5) to foster literate self-expression through discussion, the preparation of historical papers and oral reports.

Required for Concentrators: History 101-103, 410, eighteen hours of electives divided equally between American, Asian, and European History, and six additional hours of unspecified electives, totaling 36 hours. Concentrators must establish proficiency in a classical or modern language. They must do so by passing a course numbered 203-205 in the Classics or Modern Language Departments, or by demonstrating equivalent knowledge through examination.

101-103 DIRECTED READING IN HISTORY

Two semesters

This course is devoted to discussion of historical works organized under three headings: Classical History; Philosophies of History; Historical Controversy. The course is designed to enlarge the student's knowledge of historical writing and to foster his or her appreciation of it.

Three class hours each week. Three credits each semester.

105 WAR AND SOCIETY

Spring

This course will be offered through a series of lectures in which each professor in the Department of History will treat the effects of warfare upon a particular society. Topics to be dealt with in the course are: warfare in the Middle Ages; the American Civil War; World War I; World War II; the Korean War. Professors in American, Asian, and European history will emphasize their own specializations.

Three class hours each week. Three credits.

201-203 GROWTH OF THE AMERICAN NATION

Two semesters

A survey of American history from the beginnings of colonization to modern times. The purpose of the course is to acquaint the student with the more significant historical events and, more importantly, with the various interpretations of those events.

Three class hours each week. Three credits each semester.

211 FOREIGN POLICY OF THE U.S.S.R.

Not offered in 78-79

A historical study of the main themes of Soviet foreign policy since 1917.

Three class hours each week. Three credits each semester.

221 HISTORY OF EARLY MODERN CHINA: 1600-1911

Not offered in 78-79

Historical examination of the Chinese empire on the eve of its collapse. Open to all.

Three class hours each week. Three credits.

223 HISTORY OF MODERN CHINA: 1912-1965

Not offered in 78-79

Historical examination of China's revolutions, leading to Communist control in 1949 and after. Open to all.

Three class hours each week. Three credits.

231-233 SURVEY OF EAST ASIAN HISTORY

*Not offered in
78-79*

A two semester general survey of Chinese, Japanese and Korean history. The fall semester will be devoted to China from antiquity to 1800. Japanese history, from 1600 until 1945, will be covered in the spring semester. The course is open to all.

Three class hours each week. Three credits each semester.

241-243 THE HISTORY OF ENGLAND

Not offered in 78-79

A survey of the History of England in which social, religious and economic movements are studied and the development of the Constitution is particularly emphasized.

Three class hours each week. Three credits each semester.

301-303 HISTORY OF GREECE

Not offered in 78-79

The rise and development of Hellenic culture. The course is devoted to a study of the political and social history of Greece from the beginnings to the rise of democracy. This is preceded by a survey of the Oriental civilizations by which the Greeks were influenced.

Three class hours each week. Three credits each semester.

**305-307 HISTORY OF
ROME***Two Semesters*

The study of the political and social history of Rome to the fourth century of the Christian era.

Three class hours each week. Three credits each semester.

**313 TUDOR AND STUART
ENGLAND***Not offered in 78-79*

This course deals with England from 1485 to 1688. Among other topics it considers English law, the Constitution, and the conflict between King and Parliament.

Three class hours each week. Three credits each semester.

**315 ENGLAND AND THE
MERCANTILIST
EMPIRE***Not offered in 78-79*

England from 1688 to 1815. The course considers the formation of the British Empire, the development of the cabinet form of government, the American Revolution, and the challenge of Napoleon.

Three class hours each week. Three credits.

**317 PROBLEMS IN WESTERN
CIVILIZATION: EUROPEAN
WITCHCRAFT***Not offered in 78-79*

A survey of the historical phenomenon of witchcraft from its classical-medieval origins, through its systematic formulation as a diabolical heresy in the early modern period, to its eventual demise in the late 17th-early 18th century. Special emphasis will be given to the important light that the history of witchcraft sheds upon the European civilizational experience from antiquity to early modern times.

Three class hours each week. Three credits.

**323 COLONIAL AND
REVOLUTIONARY AMERICA,
1607-1787***Not offered in 78-79*

The development of the American colonies will be studied in depth with special emphasis given to the causal factors of the American Revolution and the formation and ratification of the Constitution.

Three class hours each week. Three credits.

**325 ANTE BELLUM AMERICA,
1830-1860***Not offered in 78-79*

An intensified look at the growth of American optimism, industry, and intellectual development after Jackson and leading to the outbreak of the War of the Rebellion.

Three class hours each week. Three credits.

**327-329 EUROPE,
1603-1763***Two semesters*

This course surveys the major developments of European History from the death of Elizabeth I (1603) to the end of the Seven Year's War (1763).

Three class hours each week. Three credits each semester.

**335 DIPLOMATIC HISTORY OF
EUROPE, THE 19TH
CENTURY***Not offered in 78-79*

This course offers a survey of the salient features of the foreign policies of the major European powers during the nineteenth century.

Three class hours each week. Three credits.

**337 DIPLOMATIC HISTORY OF
EUROPE, THE
20TH CENTURY***Not offered in 78-79*

This course offers a survey of the salient features of the foreign policies of the major European powers during the twentieth century.

Three class hours each week. Three credits.

**351 THE BLACK MAN IN
AMERICA***Not offered in 78-79*

A reading course designed to provide perspective concerning the role of the Black man in American Life. Although designed as a survey from 1619, emphasis will be given to historical developments from Reconstruction to the present.

Three class hours each week. Three credits.

**353 THE HISTORY OF
THE SOUTH***Not offered in 78-79*

The course will attempt to analyze the growth of Southern sectionalism and, later, nationalism, ending with the recent efforts of that section to return to its pre-1860 domination of American politics.

Three class hours each week. Three credits.

**361-363 EAST ASIAN HUMANITIES:
CHINA AND JAPAN***Not offered in 78-79*

Student will be introduced to the cultural tradition of China during the first semester and that of Japan and Korea in the second semester. Special attention will be given to the main schools of Asian philosophy and the general characteristics of East Asian literature, art and life style. Open to all.

Three class hours each week. Three credits each semester.

365 U.S. — EAST ASIAN RELATIONS *Not offered in 78-79*

The course will focus upon America's experience in dealing with China and Japan dating from the expedition of Commodore Perry (1854) to China's isolation in 1949. Some knowledge of either American or East Asian history would be helpful but is not a prerequisite for enrollment.

Three class hours each week. Three credits.

371 THE EARLY MIDDLE AGES *Not offered in 78-79*

A topical analysis of the complex phenomena which shaped the history of Western Europe from the period of Later Roman Empire to the tenth century.

Three class hours each week. Three credits.

373 THE FORMATION OF EARLY MEDIEVAL EUROPE *Not offered in 78-79*

This course will analyze Europe's development between the years 750 and 1050. Emphasis will be given to Charlemagne's attempt to reconstitute the unity of Europe, the evolution of feudal-manorial society, contacts and conflicts with Byzantium and Islam, and the emergence of the Holy Roman Empire, Capetian France, and Anglo-Saxon England.

Three class hours each week. Three credits.

375-377 CULTURE AND CIVILIZATION IN THE HIGH MIDDLE AGES *Not offered in 78-79*

This course will analyze the sociological, cultural and intellectual history of Western Europe in the period traditionally called the "High Middle Ages," a span of time stretching from the mid-11th to the beginning of the 14th century. Though there are many different ways of approaching medieval history, this course will try to impart to the student some idea of what medieval life was like, how medieval society actually functioned and why medieval people thought and expressed themselves the way they did.

Three class hours each week. Three credits each semester.

401 THE LATE MIDDLE AGES *Not offered in 78-79*

A topical analysis of the transitional era in European history which extends from 1300 to the end of the 15th century; an age characterized by one scholar as the "Waning of the Middle Ages." Students will confront the varied movements within the period which best the transitional nature of the age.

Three class hours each week. Three credits.

403 THE RENAISSANCE *Fall*

An analysis of the historiographical problem of the "Renaissance." The course will seek to analyze the crucial role played by the Renaissance in bridging the gap between medieval and modern history. The scope of the course will be limited to analyzing the social and intellectual history of Italy between the 14th and early 16th centuries.

Three class hours each week. Three credits.

405 THE REFORMATION *Spring*

This course will analyze the religious ideology, conflict and crisis of 16th-Century Europe. Special emphasis will be given to examining the intellectual and religious foundations of Protestantism and the eventual clash with Catholicism during the Counter-Reformation.

Three class hours each week. Three credits.

407-409 EUROPE IN THE NINETEENTH CENTURY *Two semesters*

This course in the first semester surveys the history of 19th-century Europe from the Congress of Vienna (1814) to the rise of Bismarck (1862). The spring semester continues the survey.

Three class hours each week. Three credits each semester.

410 SEMINAR IN HISTORY *Two semesters*

This course is designed to draw upon and develop the student's knowledge of History through discussion and extended research. Specifically the student will do research in a limited area of European or American history and become familiar with the up-to-date bibliography in the field. One section of the seminar will deal with European history; another with American.

Three class hours each week. Three credits each semester.

411 HISTORY OF RUSSIA TO 1905 *Not offered in 78-79*

This course surveys Russian history from the ninth century to the Revolution of 1905. It emphasizes the development of Russian political and social institutions and the relations of Russia with Western nations.

Three class hours each week. Three credits.

413 MODERN RUSSIA *Spring*

This course surveys Russian history from 1905 to 1950 and emphasizes the Communist movement since 1917.

Three class hours each week. Three credits.

**415 THE FRENCH
REVOLUTION***Not offered in 78-79*

This course considers the causes of the Revolution and its development to the Thermidorian Reaction.

Three class hours each week. Three credits.

**417 EUROPE DURING THE AGE OF
NAPOLEON***Not offered in 78-79*

This course continues from the Thermidorian Reaction to the Congress of Vienna.

Three class hours each week. Three credits.

**421 THE UNITED STATES IN
THE TWENTIETH
CENTURY I***Fall*

This course will survey the history of the United States from the presidential election of 1900 to the close of the Hoover administration. Politics and international relations will be emphasized. Attention will also be given to social and cultural developments.

Three class hours each week. Three credits.

**423 THE UNITED STATES IN
THE TWENTIETH
CENTURY II***Spring*

This course will follow the same approach as History 421. It will cover the period between the inauguration of President Franklin D. Roosevelt and the resignation of President Richard M. Nixon.

Three class hours each week. Three credits.

**425-427 EUROPE IN THE TWENTIETH
CENTURY***Not offered in 78-79*

The political and social development of the major European countries from 1900 to the present.

Three class hours each week. Three credits each semester.

**431 THE AMERICAN CIVIL WAR,
1860-1865***Fall*

A detailed examination of the Civil War, especially the economic, military and political aspects thereof. The course is designed to show the development of the modern American nation.

Three class hours each week. Three credits.

**435 RECONSTRUCTION,
1865-1890***Spring*

A focus on the changing American nation after the Civil War. In part the course will show the opportunity for social and economic change and the complexities of rapid industrialization.

Three class hours each week. Three credits.

**437 HISTORY OF
AFRICA***Fall*

This course covers the origin and groupings of the African peoples and will illustrate the continent's major civilizations and empires, as well as migration patterns. The latter part of the course will cover the creation of culturally fictitious states and the ensuing rupture of cultural groups.

Three class hours each week. Three credits.

**441-443 HISTORY OF
CANADA***Two Semesters*

A survey of the social, political, and cultural history of Canada from the foundations of New France to the twentieth century nation. Emphasis will center on problems of Canadian history and biographies of the individuals who shaped Canada.

Three class hours each week. Three credits each semester.

The American Studies Program is an interdepartmental concentration under the supervision of the Department of History. Its purpose is to allow a student to investigate the factors — historical, social, political, economic, and intellectual — which have shaped American civilization.

Required for Concentrators: History 101-103; History 201-203; American Studies 310 and 410. The remaining hours of study will be selected from the following departments upon consultation with the American Studies advisor: English, Political Science, History, Economics, Fine Arts, Philosophy, Theology, and Sociology. Concentrators must establish proficiency in a modern language. They must do so by passing a course numbered 203-205 or by demonstrating equivalent knowledge through examination.

310 AMERICAN INTELLECTUAL HISTORY, 1607-1865

Two semesters

The course attempts to show through various selected readings the development of American civilization. Representative topics considered are: Colonial letters, the concept of independence, transcendentalism, nationalism, and Romanticism. Basically the course is one of reading, discussion, and independent research. The second semester continues the approach followed in the first.

Three class hours each week. Three credits each semester.

410 AMERICAN INTELLECTUAL HISTORY, 1865-1970

Two semesters

This course deals with selected topics pertinent to the United States in the late nineteenth and in the twentieth century. Representative topics are: social Darwinism, the social gospel, progressivism, neo-orthodoxy, and various historical interpretations of the United States.

Three class hours each week. Three credits each semester.

Listed below are three sample electives. Other electives are selected upon consultation with the advisor.

325 HISTORY AND DEVELOPMENT OF JAZZ AS AN AMERICAN ART FORM

Spring

A chronological development from points of departure in African musical structure through phases in American musical history to the present. The influence of jazz upon American musical expression.

Three class hours each week. Three credits.

405 AMERICAN MUSIC

Spring

A survey of the development of American music from the Colonial period to the present, considering the influences of European practices and American aesthetic thought.

Three class hours each week. Three credits.

233 AMERICAN PHILOSOPHY

Spring

Depending on the background of the students, this course will be either an historical survey of significant American thinkers from Jonathan Edwards to John Dewey, or a concentrated study of select American Philosophers.

Three class hours each week. Three credits.



Dr. Pauline Gamache, S.P., Chairman and Dr. Henry Fairbanks assisted by cooperating teachers from the Departments of Classics, History and Philosophy, with President Henry serving as lecturer.

The "core" sequence in Humanities seeks to integrate history, literature, and art in a broad chronological survey of Western development. Periods of Western history are presented as units, mirrored in parallel reflections of socio-political change, literary landmarks, and typical art.

THE LIFE AND THOUGHT OF WESTERN MAN I

101-103 CLASSICAL AND MEDIEVAL CIVILIZATION *Two semesters*

Open to freshmen, Humanities 101-103 surveys the development of ancient and medieval Europe. Besides standard history, music and art texts, the "Great Books" core includes: the *Bible* (Genesis, Ruth, Psalms, Job), *Iliad*, *Oedipus Rex*, *Antigone*, *The Peloponnesian War*, *Dialogues of Plato*, *The Constitution of Athens*, *Aeneid*, *Plutarch's Lives*, *Confessions of St. Augustine*, *Beowulf*, *Chronicles of the Crusades*, *The Little Flowers of St. Francis*, *On the Law*, *Inferno*, *Canterbury Tales*, *Everyman*, *The Second Shepherds' Play*. Lectures on history precede the core of "Great Books."

Three class hours each week. Three credits each semester.

THE LIFE AND THOUGHT OF WESTERN MAN II

201-203 RENAISSANCE AND ENLIGHTENMENT *Two semesters*

This course continues the survey of Western development from the Renaissance through the Napoleonic Era. Books read and discussed include: *Book of the Courtier*, *In Praise of Folly*, *The Prince*, *Utopia*, *Autobiography of Benvenuto Cellini*, *Essays of Montaigne*, *Doctor Faustus*, *King Lear*, *New Organon*, *Paradise Lost*, *Areopagitica*, *Of Education*, *Pascal's Thoughts*, *Don Quixote*, *Le Bourgeois Gentilhomme*, *Second Treatise of Government*, *Selected Poetry of Pope*, *The Wealth of Nations*, *Federalist Papers*, *Declaration of Independence*, *Reflections on the Revolution in France*, *Romantic Poets*, *Faust (Part I)*. Lectures on history precede the core of "Great Books."

Three class hours each week. Three credits each semester.

THE LIFE AND THOUGHT OF WESTERN MAN III

301-303 WORLD CULTURE OF THE NINETEENTH AND TWENTIETH CENTURIES *Two semesters*

This course follows the same approach as the courses listed above. Among the works read in this course are: Emerson's *Essays*, Melville's *Moby Dick*, Marx's *Communist Manifesto*, Turgenev's *Fathers and Sons*, Joyce's *Portrait of the Artist as a Young Man*, Hemingway's *The Sun Also Rises*.

Three class hours each week. Three credits each semester.

311 SURVEY OF MAJOR UTOPIAS IN WESTERN TRADITION *Fall*

The search for "Perfectionism" in Western tradition: A survey of major Utopias, from Plato's *Republic* to B.F. Skinner's *Walden Two*.

Three class hours each week. Three credits.

313 IDEALS AND LANDMARKS IN WESTERN EDUCATIONAL THOUGHT *Spring*

Classic concepts of the University from the medieval *studium generale* through Newman and Whitehead to Ortega y Gasset.

Three class hours each week. Three credits.

**317-319 DEVELOPMENT OF
SCIENTIFIC THOUGHT
IN THE WEST** *Two semesters*

The spirit of scientific inquiry is essentially humanistic, yet, when science is isolated from moral and spiritual values, it produces monstrosities. Thus, an educated individual may know something about science though not necessarily acquire a professional competence. This course concentrates on awakening minds to a few basic intuitions or intellectual perceptions in each scientific discipline rather than specializing in a particular field. Its object is to achieve scientific literacy through "guided rediscovery," with emphasis upon the scientist in a historic setting, and contributing to the literature, history, the art of his own time — and ours. Books read and discussed include: Butterfield's *The Origins of Modern Science*, Sarton's *A History of Science*, Toulmin and Goodfield's, *The Fabric of the Heavens*.

Three class hours each week. Three credits each semester.

**325 HUMANISTIC ASPECTS OF
WESTERN POLITICAL
THOUGHT** *Spring*

Designed for non-political science majors, this course stresses the development and deviations from the core of Western Political Thought, the classical natural right theory — Socrates to Marx.

Three class hours each week. Three credits.

**THE LIFE AND THOUGHT OF
WESTERN MAN IV**

**401 GREAT ISSUES OF THE
CONTEMPORARY
WORLD** *Fall*

This course surveys the cultural differences and issues portrayed in recent literature; discussions and readings are directed toward an analysis of modern world problems resulting from the historical events of the times. The following topics, among others, are discussed: political terrorism, Russian and French post-revolutionary trends, American problems, modern European and African social issues, and cultures of the future. Among the books read and discussed are: Malraux's *Man's Fate*, Wright's *Native Son*, Orwell's *Nineteen Eighty-Four*, and Ibsen's major plays.

Three class hours each week. Three credits.

**403 CONTEMPORARY AMERICAN
THOUGHT** *Spring*

This course explores the innovations, issues, conflicts and trends that shape contemporary American thought and life. Discussions and readings deal with changing attitudes that involve risk and fads that influence politics, education, and the contemporary social behavior of the American people in an atomic age. Since the course is concerned with the issues and trends of the present era, the reading list will be subject to frequent variation and change.

Three class hours each week. Three credits.

PROGRAM IN ENGLISH FOR INTERNATIONAL STUDENTS

Professor Eugene P. O'Neill, Director; Lacharite, Keelty, Thayer, Stark, Royer, Gamache.

In September, 1954, the College inaugurated an Intensive English-Language Training Program to meet the requirements of students from foreign countries who need training in all aspects of English for career or personal reasons.

To achieve objectives as they pertain to conditions in the career world, two new programs were soon added.

The curriculum offered in the first of these programs, called the University-Associate Program, has its roots in the original plan and serves a variety of individual needs. The Associate Program is designed to provide general amelioration in English, academic orientation and career guidelines, thereby aiding the student's transfer into regular baccalaureate curricula, both here and elsewhere.

Lastly, the professional aspirations of teachers of English as a Second Language had to be confronted. While placing special emphasis on professional competence, the Graduate TESL curriculum aims to inform the teacher of what is happening in the field and in related areas and why.

The Program in English for International Students conducts:

An intensive, full-time English Language Program of six, eight, twelve, sixteen or more weeks on a year-round basis, with opening enrollments every four weeks. The Program is open to men and women.

The teaching is concentrated and the number of weeks that one will spend in a program must be determined by personal proficiency objectives. Specially trained instructors, experienced in their discipline, hold three formal classes each day for groups which usually number 10. Classroom experience is supplemented by directed personal work in the laboratory. The integration between the classroom work and the laboratory sequence demands daily attendance at both.

Proficiency tests are administered frequently so that the student may be placed in one of the 10 levels which will be most profitable and satisfying. Instruction on each level deals with all the aspects of the language: conversation, reading, writing, aural comprehension.

The University- Associate Program:

The aim of this program is to integrate training in English as a Second Language with undergraduate courses. Many students enroll in this Program after satisfactory progress in the Intensive English Program. Students enrolled in the Program take the following:

ENGLISH FS100, College Writing

Fall and Spring.

Introduction to the principles of composition and rhetoric. A review of grammar and the mechanics of writing with emphasis on the needs of foreign students. Study skills, test taking, library research and other aspects of academic orientation is discussed. This course is comparable to ENGLISH 101, College Writing, as listed under the Department of English.

Five hours a week. Three credits.

ENGLISH FS102, Introduction to Literature

Fall and Spring

The principles of literary analysis and appreciation are introduced through the reading of selected pieces of fiction, poetry, drama, essay and biography. The selections are chosen and treated with the students' cultural background and understanding in mind. This course is comparable to ENGLISH 123, Introduction to Literary Studies, as listed under the Department of English.

Three hours a week. Three credits.

Depending on level of proficiency, students will be allowed to take one or both of the above courses. In addition, they will be allowed to enroll in one or two courses from the other disciplines, selected as far as possible with their career goals in mind.

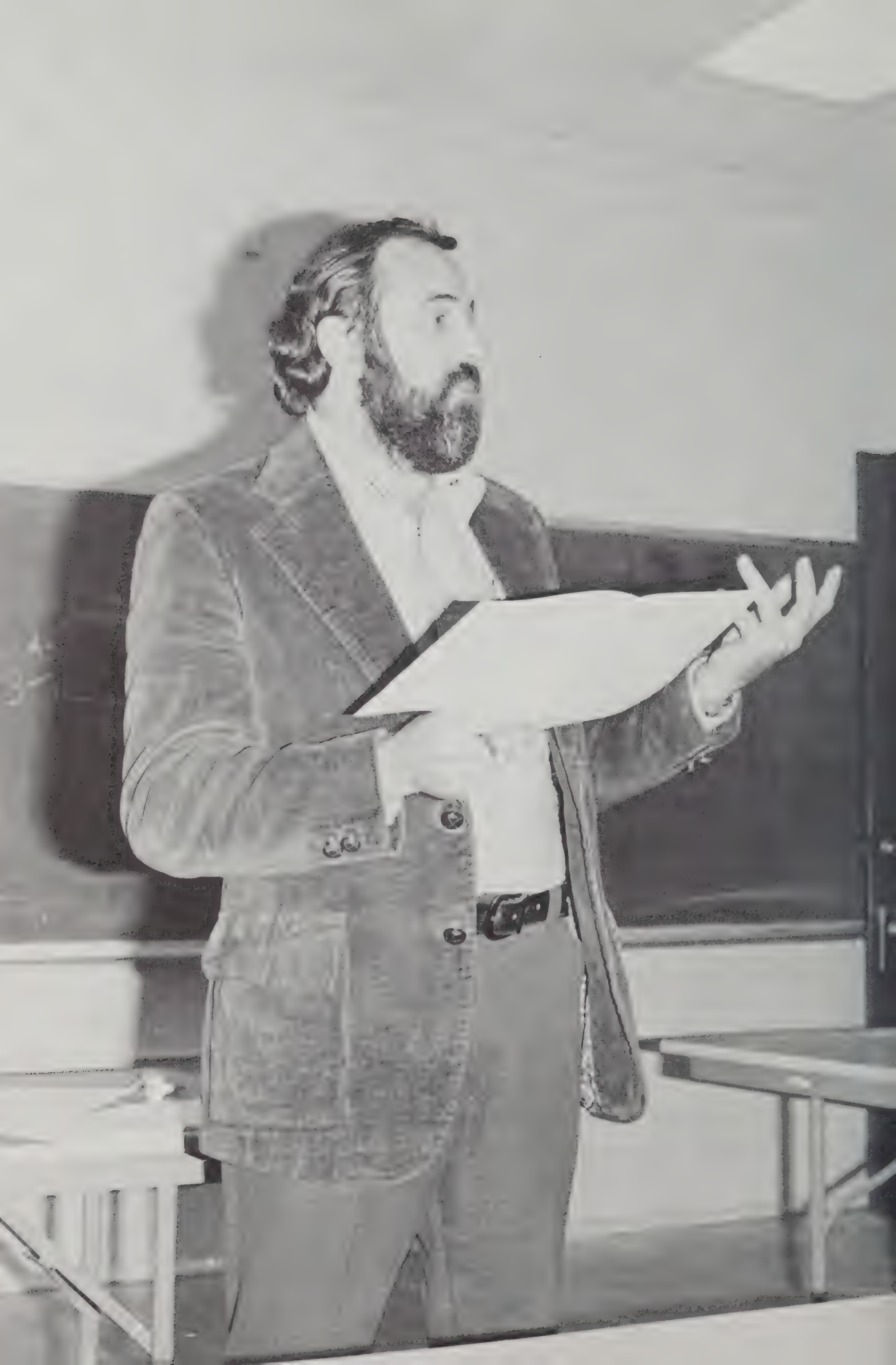
The Graduate Programs in Teaching English as a Second Language:

The Institute in TESL. (summer only)
six weeks - 9 credits.

The Advanced Certificate Program in TESL. 18 credits.

The Master of Arts Degree in TESL.
36 credits.

Consult the Graduate Bulletin for details.



Dr. Alex Nagy, Chairman; Raquier, and Lecturers.

The concentration, made possible by grants from the Frank E. Gannett Foundation and other benefactors, is designed to prepare students for careers in print journalism.

Journalists must write intelligently about a wide variety of subjects. Consequently, journalism students should have a broad liberal arts education as well as training in professional skills. Of the 120 credits required for graduation, 90 may be in subjects outside the journalism curriculum. Background courses in such disciplines as economics, history, psychology, political science and sociology help develop students' abilities to understand and interpret the complex issues which face modern society. The professional journalism courses, most of which are taken in the final two years of the four-year program, are designed to provide students with the skills needed to qualify for entry-level positions in the field.

The Department encourages concentrators to supplement their academic experiences with practical work on campus and community publications. They are also urged to participate in internship programs, particularly between the junior and senior years. Such opportunities help the students hone their practical skills and broaden their knowledge.

Campus publications that welcome student participation include the weekly student newspaper, the semi-annual literary review and the college yearbook. The Saint Michael's College radio station, WWPV-FM, and the nearby studios of the Vermont Education Television network provide an added dimension to the program.

Courses are open to concentrators and non-concentrators.

Required for concentrators are:

- 1) a minimum of 30 and a maximum of 40 credits in journalism courses, including 101, 201, 203, 213, 303, 311, 315 and 407;
- 2) demonstrated proficiency in typing by the sophomore year and a grade of "C" or better in English 101 (College Writing) or its equivalent.
- 3) three introductory social science courses chosen from among Economics 107, Political Science 101, Psychology 101 or Sociology 201;
- 4) History 423 (*The United States in the Twentieth Century II*); and,
- 5) at least nine credits in advanced (300-400) social sciences courses not offered by the Department of Journalism (the courses should be interrelated and the sequence should provide in-depth knowledge of a particular topic).

101 INTRODUCTION TO MASS COMMUNICATION *Fall and Spring*

The course focuses on the historical, social, legal and economic aspects of mass communication; the current practices and responsibilities of the mass media; the role of newspapers, magazines, radio, television, film and other media; and the impact of mass media in world affairs.

Juniors and seniors require consent of instructor.

Three class hours each week. Three credits.

201 NEWSWRITING *Fall*

The course involves instruction and practice in written communication of factual material under direct supervision of the instructor. The emphasis is on preparing copy for newspaper publication.

Prerequisites: Sophomore standing, English 101 or its equivalent, typing proficiency and consent of instructor.

Preference is given to students in the journalism concentration.

Two two-hour lab sessions each week. Lab fee: \$15. Three credits.

203 REPORTING *Spring*

The emphasis is on the gathering of news and interviewing with some field work in the community. Students are expected to prepare articles for publication.

Prerequisite: Journalism 201

Two two-hour lab sessions each week.

Three credits.

213 LAW OF THE PRESS *Spring*

The course covers the law in its relationship to the press with emphasis on such topics as freedom of the press, libel, privileged information and the right of privacy.

Prerequisite: Sophomore standing

Three class hours each week. Three credits.

301 MASS COMMUNICATION AND SOCIETY Spring

The course examines the relationship between mass communication and society; the structure, function and role of the media; evaluations of media performance; and suggestions for change.

Three class hours each week. Three credits.

303 PHOTOJOURNALISM Fall and Spring

The course deals with basic photographic techniques with emphasis on press photography, darkroom processing of black-and-white photographs, picture editing and photographic essay planning and execution.

Prerequisite: Consent of instructor.

One-hour lecture and three-hour lab sessions each week. Lab fee: \$35. Three credits.

311 HISTORY OF AMERICAN JOURNALISM Fall

The course looks at the evolution of the mass media in the United States in the context of political, social, and economic change.

Prerequisite: Junior standing or consent of instructor.

Three class hours each week. Three credits.

315 NEWSPAPER EDITING Fall

The emphasis in this course is on editing articles intended for newspaper publication, headline writing, and newspaper layout techniques.

Prerequisite: Journalism 203

Four class hours each week. Three credits.

317 GRAPHICS OF THE PRINT MEDIA Spring

Featured are the principles of typographic design and display; the appropriate use of type; an introduction to basic graphic arts processes; copy fitting and estimating; and practice in modern newspaper design techniques.

Prerequisite: Junior standing and consent of instructor.

Three class hours each week. Three credits.

319 SPECIAL TOPICS IN JOURNALISM AND MASS COMMUNICATION Fall and Spring

The content of this course varies with the topic being studied. Some of the possible topics are precision journalism, creative non-fiction writing, persuasion techniques, censorship of the media and colonial journalism. The course may be repeated after a change of content with the approval of the department chairman.

Prerequisite: Consent of instructor.

Meeting times vary with the content. One to three credits.

405 PRINCIPLES OF ADVERTISING (Same as Business 405) Spring

The course involves a broad study of advertising including its planning, creation and use. All media operations are reviewed and students are lead through as much practical application as possible.

Prerequisite: Consent of instructor.

Three class hours each week. Three credits.

407 REPORTING OF PUBLIC AFFAIRS Fall

The purpose of this course is to provide advanced training and practice in conveying information of public concern. The focus is on issue-oriented material and in-depth study as well as in-depth reporting are required.

Prerequisites: Journalism 203 and 213.

Three class hours each week. Three credits.

409 FEATURE WRITING Spring

The techniques of preparing special articles for newspapers and magazines are examined. Students are expected to write several such articles during the course of the semester.

Prerequisite: Consent of instructor.

Three class hours each week. Three credits.

499 (299 & 399) INDEPENDENT STUDY Fall or Spring

This offering permits the student to gain academic credit for work done outside of regularly scheduled courses. The work may be in the area of research, fieldwork or special internship programs. A plan of study must be submitted and approved prior to enrollment.

Prerequisites: Twelve hours of earned credits in journalism.

Consent of instructor, department chairman and vice president for academic affairs.

Meeting times by arrangement. Variable credits.

Professor Warren G. Sparks, Chairman; Naramore, Preston.

The basic courses in Mathematics are designed to give an adequate foundation to students who intend to concentrate in Biology, Chemistry, Physics and Mathematics. The program of concentration in Mathematics has the objective of providing students with a sufficient background of theory and practice so that they may be prepared to use mathematics as an end in itself (e.g., in teaching, research) or for the purpose of establishing a career in industry, statistical work, civil service, et cetera.

Required of concentrators: Mathematics 105-107, 201-203, 205, 303, 307, 309, 401-403, 410 and at least one additional course in mathematics at the 300 level.

101 FINITE MATHEMATICS

Fall

This course is designed as an introduction to concepts of modern mathematics. By including applications to the biological and social sciences, it thus provides a point of view, other than that given by physics, concerning the possible uses of mathematics. Among the topics considered are symbolic logic, sets, probability theory, vectors and matrices, and theory of games. Non-concentrators only.

Prerequisites: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

102 ELEMENTARY STATISTICS

Fall

Nature of statistical methods, description of sample data, probability, probability distributions, sampling, estimation, hypotheses testing, correlation and regression. Designed primarily for biology concentrators. Credit will not be given for both Ma 102 and Ma 205.

Prerequisites: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

103 INTRODUCTION TO CALCULUS

Spring

Topics in analytic geometry, derivatives and their applications, integration, applications of the definite integral. Credit will not be given for both Ma 103 and Ma 105.

Prerequisite: Intermediate algebra and trigonometry.

Three class hours each week. Three credits.

105-107 ANALYTIC GEOMETRY AND CALCULUS I

Two semesters

Properties of real numbers, topics in analytical trigonometry, plane analytic geometry, derivatives and their application, integration and applications of the definite integral. Designed for Mathematics, Physics and Chemistry concentrators.

Prerequisites: Intermediate algebra and trigonometry; for second semester, successful completion of first semester.

Three class hours each week. Three credits each semester.

201-203 ANALYTIC GEOMETRY AND CALCULUS II

Two semesters

Continuation of Mathematics 105-107. Transcendental functions, methods of integration, hyperbolic functions, polar coordinates, vectors and parametric equations, solid analytic geometry and vectors, partial differentiation, multiple integrals, infinite series.

Prerequisites: Mathematics 105-107.

Three class hours each week. Three credits each semester.

205 PROBABILITY AND INTRODUCTORY MATHEMATICAL STATISTICS

Fall

This course introduces the student to the basic concepts, principles and methods of mathematical statistics and their applications. A course in elementary calculus is a sufficient prerequisite and no prior acquaintance with probability or statistics is assumed. The course is divided into three parts: descriptive statistics, probability theory, and statistical inference.

Prerequisites: Mathematics 103 or 107.

Three class hours each week. Three credits.

303 DIFFERENTIAL EQUATIONS

Fall

Meaning of differential equations, types, applications of differential equations of the first order, linear differential equations with constant coefficients, applications of linear differential equations of the second order, approximate solutions, series solutions, Laplace transforms.

Three class hours each week. Three credits.

304 HISTORY OF MATHEMATICS*Spring*

This is a problem study approach to the history of mathematics aimed at making student participation in the course something more than the usual carrying out of reading assignments capped with a term paper. The treatment is restricted to "elementary" mathematics, that is mathematics through the beginnings of calculus. Among the topics considered: Number systems, Babylonian and Egyptian mathematics, Pythagorean mathematics, duplication, trisection and quadrature, Euclid's Elements, Hindu-Arabian mathematics, the dawn of modern mathematics.

Prerequisites: At least one year of calculus.

305 NUMERICAL ANALYSIS*Not offered in 78-79*

Includes power series calculation of functions; roots of equations; nonlinear simultaneous equations; matrices, determinants, and linear simultaneous equations; numerical integration; ordinary differential equations; interpolation and curve fitting.

Prerequisites: Mathematics 303, Business 211 or equivalent.

Three class hours each week. Three credits.

307 INTERDUCTION TO MODERN ALGEBRA*Spring*

This course is designed for the undergraduate who has had two years of college mathematics, including calculus. It will introduce some of the simpler algebraic concepts so much a part of the mathematics of today. Number systems, groups, rings, and fields will be among the topics considered.

Three class hours each week. Three credits.

309 ELEMENTS OF LINEAR ALGEBRA*Fall*

Engineering, the sciences, and the social sciences today are becoming more analytically oriented; that is, more mathematical in flavor, and the mere ability to manipulate matrices is no longer adequate. Linear algebra affords an excellent opportunity to develop a capability for handling abstract concepts. Topics covered include solution of systems of linear equations, matrices, vectors and vector spaces, inner products, linear transformations, determinants, eigenvalues and eigenvectors.

Three class hours each week. Three credits.

311 MATHEMATICS OF STATISTICS I*Not offered in 78-79*

This course builds upon Mathematics 205 and is concerned with the following topics: quality control and acceptance sampling, tests for distribution functions, analysis of variance, pairs of measurements, regression analysis, correlation analysis, errors of measurement, nonparametric methods, and decision functions.

Prerequisite: Mathematics 205.

Three class hours each week. Three credits.

313 MATHEMATICS OF STATISTICS II*Not offered in 78-79*

This course will emphasize sampling surveys. Among topics considered will be basic concepts of sampling, stratified sampling, stratification techniques, cluster sampling and sub-sampling.

Prerequisite: Mathematics 311.

Three class hours each week. Three credits.

317 APPLIED**MATHEMATICS***Not offered in 78-79*

The course covers series methods of function representation, and solutions of ordinary and partial differential equations. Vector methods as used by the sciences are also covered, particularly the use of differential operators on scalar and vector functions. Applied matrix algebra and calculus of variations are also discussed.

Prerequisites: Mathematics 303 or equivalent.

401-403 ADVANCED CALCULUS*Two semesters*

A study of sequences and series, functions of a real variable, functions of several variables, vectors, the definite integral, improper integrals, line integrals, multiple integrals, and uniform convergence.

Three class hours each week. Three credits each semester.

410 SENIOR SEMINAR*Two semesters*

Through supervised presentations of problems, derivations, and proofs, the students are guided to reevaluate their experience in mathematics. For the first one and one-half semesters the topics are drawn from some branch of mathematics that reaches broadly into others. In the remaining half semester more extensive lectures are presented by the students on more diverse topics.

Three credits each semester.

Dr. Anne McConnell, Chairperson; Delaney, Languasco, D. Miller, J. Miller, Poirier, Pomar, Quiroz, Rupright.

It is generally recognized that the liberally educated should have proficiency in a modern language other than their own. It is also true that the knowledge of languages other than English is helpful in many careers.

Satisfactory completion of a modern language at the 203-205 level, or its equivalent, is required of all concentrators in American Studies, English, History, Philosophy, and Political Science.

The Department welcomes all qualified students to its courses, and offers a variety of general interest courses taught in English.

A program of concentration is offered in French Studies and Spanish Studies. The aim of these two programs is to provide as thorough a mastery as possible of the languages of these two world influences as well as a firm acquaintanceship with their literatures and cultures.

To complete either concentration students must pass, in the appropriate language, the courses numbered 305-307 and 310, and must earn at least 18 additional credits in courses taught in the language of concentration at the 300 or 400 level.

Successful completion of the first semester is prerequisite for continuance in, or admission to, any second semester language course. A laboratory of one hour per week is required in all 103-105, 203-205 courses.

In addition to French and Spanish the Department offers language and literature courses in German and Russian, as well as language courses in Italian.

Courses in Commercial French, Spanish and Russian are offered in two year sequences. Business concentrators are encouraged to enroll.

The Department of Modern Languages encourages students to spend some time overseas during their course of study, and provides aid in choosing the appropriate program. Concentrators should participate in Language Club and Language House activities, and should try to live in the Language House for at least a year. Language students may also take advantage of opportunities to converse with International students, and to participate in productions of plays in French and Spanish.

The following course listings are for the biennium 1978-79 and 1979-80.

These courses are *open to all qualified students*.

FRENCH

103-105 INTRODUCTION TO FRENCH *Two semesters*

Essentials of French. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in French conversation, reading and grammar. One section of French 103-105 is an intensive course in Commercial French.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE FRENCH I & II *Two semesters*

Intermediate conversation, reading, and grammar.

One section of French 203-205 is an intensive course in Advanced Commercial French.

Three class hours and a laboratory each week. Three credits each semester.

305-307 ADVANCED COMPOSITION

Two semesters

This course concentrates on composition but eschews as much as possible esoteric "stylistique." The course asks and answers the questions: How would you write for a newspaper? How would you write any form of letter? How would you write a creative essay? A short story? A poem?

Required of concentrators.

Given each year.

Three class hours each week. Three credits each semester.

310 IMMERSION LANGUAGE PROGRAM

Two semesters

Students meet five times per week for two hours per day. The course is one of total immersion in all forms of oral expression. The course is *open to all* but *required of* concentrators.

Required of concentrators. Given each year.

Ten hours each week. Six credits each semester.

315 INTRODUCTION TO FRENCH LITERATURE*Fall*

Designed to provide a framework for literary studies, this course emphasizes the history and development of French Literature through the ages. Students will read and discuss excerpts and short works from the great periods of French Literature, as well as selected complete works.

*Three class hours each week. Three credits
in French.*

317 FRENCH POETRY AS GENRE*Not offered 78-79*

This course is designed as an exploration of poetry, leading to an appreciation of its uniqueness. The course will discuss what makes poetry different from other literary forms, and will provide the student with a better understanding of poetry, and with the tools of poetic analysis.

*Three class hours each week. Three credits.
In French.*

319 FRENCH THEATRE AS GENRE*Not offered 78-79*

Using a generic rather than an historical approach, this course will explore works chosen from the rich body of French farce, tragedy, comedy and drama. Discussion will center on the unique qualities of this form, as well as the difficulties of reading a work intended to be presented on the stage. Students will have the opportunity to participate in a theatrical presentation of one of the plays, and/or to see a performance in Montreal.

*Three class hours each week. Three credits.
In French.*

323 ROMANCE LINGUISTICS*Spring*

A brief survey of the development of the major Romance languages from Latin will illustrate the primary forces operative in the evolutions of these languages. We will then dwell on the present day characteristics, and on the contrasts and similarities. On this basis, time permitting, we may indulge in some speculation as to what changes are presently being incubated, and how these languages may alter in the coming millenium.

*Three class hours each week. Three credits.
In English.*

331 FRENCH CANADIAN CIVILIZATION*Not offered 78-79*

This course aims at bridging the gap of the unknown for anyone just moderately aware of the direct proximity to us of the great Province de Quebec. The course focuses simultaneously on historical and literary developments in French Canada from the days of the explorers to modern times. Trips to Montreal will be an integral part of the course.

*Three class hours each week. Three credits.
In French.*

341 FRENCH COMEDY*Spring*

This course is designed to treat the student to the delights of gallic humor and joie de vivre through representative high-caliber comedies from Moliere to Ionesco.

*Three class hours each week. Three credits.
In French.*

365 MAJOR CURRENTS OF FRENCH THOUGHT*Fall*

The course covers the major movements in French Intellectual History and is based upon the theoretical brilliance of French Thought versus its practical failures. How the French fail finely.

Lecture and discussion course.

*Three class hours each week. Three credits.
In English.*

367 THE FRENCH AND THE ENLIGHTENMENT*Spring*

Literally, how the French "thought up" the most sweeping political, social and intellectual revolution before those in Russia and China. The course tackles Voltaire, Rousseau, Diderot and other "lights" right up through the Marquis de Sade.

Lecture and discussion course.

In English.

Three class hours each week. Three credits.

415 READINGS IN NINETEENTH CENTURY FICTION*Not offered 78-79*

Creative prose in this age has a fecundity and genius unknown before and unmatched since. Balzac, Flaubert, de Maupassant, Huysman, reflect an image of man ill at ease with himself and his times, but no less vital for that.

*Three class hours each week. Three credits.
In French.*

421 READINGS IN TWENTIETH CENTURY FICTION*Fall*

The creative writers of this century seek answers for a weary world no longer seen as sane. The answers sought reach all the way from action to the absurd. Introduced by Gide and Proust, the theme is then taken up by Malraux, Sartre, Camus, and Vian, and selected black writers.

*Three class hours each week. Three credits.
In French.*

423 AD HOC SEMINAR IN FRENCH LITERATURE*Spring*

Subject matter for the seminar will be chosen by the instructor assigned to teach the course. Topics could treat a specific author (such as Moliere, Rabelais or Baudelaire), a movement or school (romanticism, theatre of the absurd), or a cultural, historical or philosophical movement of literary importance.

*Three class hours each week. Three credits.
In French.*

SPANISH

103-105 INTRODUCTION TO SPANISH *Two semesters*

Essentials of Spanish. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in Spanish conversation, reading, and grammar. One section of Spanish 103-105 is an intensive course in Commercial Spanish.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE SPANISH *Two semesters*

Intermediate conversation, grammar, and reading. Essentials of Spanish civilization. One section of Spanish 203-205 is an intensive course in Advanced Commercial Spanish.

Three class hours and a laboratory each week. Three credits each semester.

305-307 ADVANCED COMPOSITION *Two Semesters*

The study and application of the principles of composition in Spanish. While concentrated grammar review will be undertaken as necessary, the first semester (305) is dedicated to the mastery of the basic elements of writing Spanish: punctuation, orthography, parts of speech, and sentences and paragraphs (parts, structure, types, uses). This leads, toward the end of the semester, to the application of the basics to the planning and writing of whole compositions.

The second semester (307) takes up at this point and continues with the writing and analysis of compositions, broadening the scope to examine and practice the various types and purposes of writing—including, for example, journalistic writing, letter writing and creative writing.

Required of concentrators. Given each year. Three class hours each week. Three credits each semester.

310 IMMERSION LANGUAGE PROGRAM *Two semesters*

Students meet five times per week for two hours per day. The course is one of total immersion in all forms of oral expression. The course is *open to all* but *required of* concentrators.

Open to all, required of concentrators. Given each year.

Eight to ten hours each week. Six credits each semester.

313 LATIN AMERICAN CIVILIZATION *Not offered 78-79*

An exploration of the formation and present state of Latin American civilization and culture, and a study of the Latin American's way of viewing self, society and world.

Three class hours each week. Three credits. In English, open to all, Freshmen included.

315 BRAZILIAN LITERATURE IN TRANSLATION *Not offered 78-79*

A selective sampling of a literature that is an integral part of Latin America but which language differences often force into the background. Selections will in the main be prose, and through them we will explore such themes as tolerance and the *joie de vivre* characteristic of Brazilians, especially at Carnival.

Three class hours each week. Three credits. In English, open to all, Freshmen included.

321 HISPANIC CULTURE WITHIN THE UNITED STATES *Fall*

This course aims to build an appreciation of the nature and extent of the influence of the Hispanic cultures within the U.S.A. (the Eastern Seaboard and near the U.S. Mexican border). The approach will be historical, cultural and literary; the course material will include literature about, and literary works produced by, this American culture.

Three class hours each week. Three credits. In English, open to all, Freshmen included.

323 ROMANCE LINGUISTICS *Spring*

A brief survey of the development of the major Romance languages from Latin will illustrate the primary forces operative in the evolutions of these languages. We will then dwell on the present-day characteristics, and on the contrasts and similarities. On this basis, time permitting, we may indulge in some speculation as to what changes are presently being incubated, and how these languages may alter in the coming millenium.

Three class hours each week. Three credits. In English.

325 THE MOST RECENT WORKS OF LATIN AMERICAN MASTERS *Not offered 78-79*

The novel seems at present to be absorbing a great proportion of Latin America's literary talent, so the course will be essentially an examination of prose fiction works of the most recent years. A small amount of poetry will be inevitable, and one theatrical work and some essays would be desirable to help complete the sketch of the scene as it is "right now." The coverage of the Latin American countries will be as broad and as representative as possible within the rather stringent limits of the course.

Three class hours each week. Three credits. In Spanish.

327 THE LITERATURES OF OUR NEIGHBORS *Not offered 78-79*

Centering on the theme of the response to changing times, this course will examine some outstanding prose and theatrical works of Mexico and the Antilles, mostly of our own century. We will attempt to include social as well as psychological perspectives.

Three class hours each week. Three credits. In Spanish.

331-333 DIMENSIONS OF LATIN AMERICAN LITERATURE, I AND II *Two Semesters*

These companion courses are complementary but may be taken separately. Both tend to be topical and to cover works of various authors, schools, genres and periods throughout all of Latin America except Mexico and the Caribbean (since those areas are covered in Spanish 327, *The Literature of Our Neighbors*). Both courses seek a coherent view of Latin American literature as a whole, as well as to study in detail certain topics which exemplify significant aspects of the Latin American spirit. Representative topics might be: Literary Feminism (women writers of Latin America), the Indian in Literature, Man vs. Environment, Gauchos and other Latin American "Cowboys," Latin America and the U.S. Presence, The Modern Latin American in Search of Himself, The Human vs. Modern, and so forth.

Three class hours each week. Three credits each semester.

In Spanish.

413 LITERATURE OF THE GOLDEN AGE — PART I: THE THEATER *Not offered 78-79*

Spain's grandeur in the arts reached its culmination in the 17th century and is reflected in the drama — the outstanding literary genre of Spain in this period. Well known works of Lope de Vega, Tirso de Molina, Guillen de Castro, Ruiz de Alarcon and Calderon de la Barca will be read and analyzed in the light of the cultural setting of the times. Emphasis will be given to the creation and development of the Spanish national theater and its relationship to the aesthetics, politics, and religion of the period.

Three class hours each week. Three credits. In Spanish.

421 THE GENERATION OF '98 *Not offered 78-79*

The Spanish American War of 1898 left a deep impact in the economic, social and intellectual life of Spain, the childless Mother country. Renowned authors such as Unamuno, Ganimet Perez de Ayala, Valle Inclan, Azorin, Machado and Baroja dealt with the aftermath of this war. Each one of these writers, in his individual approach to the problem of Spain, expressed his thoughts and concerns in a unique and genuine way. The result was a varied and self-inspiring literary group known as "The Generation of '98."

Three class hours each week. Three credits. In Spanish.

441 THE SPANISH NOVEL AFTER THE CIVIL WAR *Fall*

The crippling effects of the Spanish Civil War (1936-1939) can easily be felt in the literary creations that followed it. The political ideologies of the writers and the location of them during this period add different points of view to the portrayal of this war. The militant writers, the observers, and those who were in exile gave a personal account of this human tragedy. In all cases, what permeates their writings is the sad legacy of war. The course will pay special attention to this multiplicity of points of view in presenting this war and its aftermath.

Three class hours each week. Three credits. In Spanish.

443 MIGUEL DE CERVANTES *Spring*

Miguel de Cervantes, the acknowledged Father of the Modern Novel, lets Don Quijote and Sancho walk out of the pages of his masterpiece and allows them to form part of the human race. In their new dimension, the main characters of the book, *Don Quijote*, become extraordinary citizens of the world. They act and react like no other men. They fail and succeed like no other men. Yet, there is so much humanity in them that no one can escape from identifying himself with them. This course will emphasize the universal and everlasting values stressed in the book which made Don Quijote and Sancho more familiar figures than the author, Cervantes.

Three class hours each week. Three credits. In Spanish.

GERMAN

103-105 FIRST YEAR COLLEGE GERMAN *Two semesters*

A course designed to develop proficiency in German grammar and conversation.

Three class hours and a laboratory each week. Three credits each semester.

107-109 SCIENTIFIC GERMAN *Two semesters*

Limited to concentrators in the sciences or Mathematics. High school German is not a prerequisite.

Three class hours each week. Three credits each semester.

203-205 SECOND YEAR COLLEGE GERMAN *Not offered 78-79*

Advanced conversation and reading.

Three class hours and a laboratory each week. Three credits each semester.

309 SURVEY OF GERMAN LITERATURE *One semester*

A course conducted in English to examine representative works in the novel, drama, and lyric poetry in English translation from Romanticism to Expressionism. To include, among others, Hesse, Kafka, Mann and Brecht.

Three class hours each week. Three credits each semester.

ITALIAN

103-105 INTRODUCTION TO ITALIAN *Two semesters*

Essentials of Italian. An introductory course for beginners or students with limited preparation. Designed to develop proficiency in speaking, reading and writing Italian.

Three class hours and a laboratory each week. Three credits each semester.

203-205 SECOND YEAR ITALIAN I AND II *Two semesters*

Intermediate conversation and reading.

Three class hours and a laboratory each week. Three credits each semester.

311 SURVEY OF ITALIAN LITERATURE *Not offered 78-79*

Main trends and major writers of Italian Literature from Boccaccio to Moravia. This course is intended to give students an insight into the main trends of the Italian Literary Tradition. Readings of representative works and group discussion.

No prerequisite. No language requirement.

Three class hours each week. Three credits. In English.

309 FINE ARTS IN ITALY *Spring*

Major contributions of Italy to music, theatre, opera, and the cinema within the framework of historical and cultural developments from Goldoni to Fellini. Discussion of representative works.

No prerequisite. No language requirement.

Three class hours each week. Three credits. In English.

RUSSIAN

103-105 FIRST YEAR COLLEGE RUSSIAN *Two semesters*

A course designed to develop proficiency in Russian conversation, reading and grammar.

Three class hours and a laboratory each week. Three credits each semester.

107-109 ELEMENTARY SCIENTIFIC AND COMMERCIAL RUSSIAN *Two semesters*

This course prepares students in the physical or biological sciences and economics to read material in their fields.

203-205 SECOND YEAR COLLEGE RUSSIAN *Two semesters*

A course designed to develop proficiency in Russian conversation and reading. It incorporates the study of Russian civilization and contributions to world civilization.

Three class hours and a laboratory each week. Three credits each semester.

309 SURVEY OF RUSSIAN LITERATURE *Spring*

Survey of Russian literature in translation through literary masterpieces of the nineteenth and twentieth centuries. Fundamental to this course is its aim to present in depth the literature of Russia, its ideological ties with the West and the different forces which have shaped it and given it its unique character. It includes the works of Gogol, Tolstoy, Dostoevsky, Sholokhov, Pasternak and Solzhenitsyn.

Three class hours each week. Three credits.

313 RUSSIAN CULTURE AND CIVILIZATION *Fall*

This course surveys Russian culture and civilization from the Ninth Century to the Revolution of 1917. Students are introduced to the cultural tradition of Russia with special attention given to the fine arts, to religion, philosophy and life style.

In English. Open to all.

Three credits. Three class hours each week.

Prof. Daniel F. MacDonald, Chairman; Case, Hanagan, Tumulty, VanderWeel, Zeno. Philosophy has always been considered as that endeavor of the human person to escape from ignorance and to investigate the meaning of nature, of self, and of reality as a whole. Of course, philosophy is not alone in wanting to escape from ignorance: other disciplines, natural, social, and literary, share that desire. But philosophy attempts to take a broader view, and for over two millenia philosophers have sought the type of understanding which leads to wisdom. Their ideas have become the very roots of the great social, political, educational, economic, literary, and scientific movements of every age. Thus, philosophy includes as one of its tasks a consideration of the presuppositions of all academic disciplines, and this is why it is viewed as an essential component of a truly liberal education. Then, too, in a Christian context, philosophy cannot ignore the perspective it receives from faith, nor the part it can play in the understanding of God's revelation.

All students at Saint Michael's College are required to take two basic courses in philosophy to enable them to meet with these fundamental questions and to see how great thinkers of the past have responded to them. The first course serves to introduce the student to ways of thinking necessary to approach disciplined study of any kind. The second course then considers some of the basic problems themselves and the way in which some philosophers have confronted them.

For those students who wish to deepen their knowledge of the subject, several electives are offered to acquaint them with the history, development, methods, and content of the entire range of philosophy.

Required of all students: Philosophy 101 and 103. These courses are also prerequisites to all other courses in Philosophy.

Required of concentrators: Philosophy 101, 103, 203, 401-403, 410, and four courses in the history of philosophy, i.e., 301, 303, 305, and 307. Concentrators are urged to fulfill their language requirement in French or German. Moreover, they are counseled to elect courses in mathematics and the natural sciences.

101 LOGIC

Fall and Spring

The aim of the course in Logic is to develop and sharpen the student's ability to recognize and evaluate the types of explanations and arguments that can be found in everyday discourse and in the written and oral presentations of various academic disciplines.

Three class hours each week. Three credits.

103 INTRODUCTION TO PHILOSOPHICAL PROBLEMS

Fall and Spring

This course examines the nature and value of philosophical inquiry, exemplified by such topics as: the nature of man, values, and God.

Three class hours each week. Three credits.

201 PHILOSOPHY OF MAN

Fall

This course presents a philosophical study of human nature, considering such topics as: man and his body, knowledge, desire, choice and action, the emotions, and freedom of choice.

Three class hours each week. Three credits.

203 ETHICS

Fall and Spring

This course examines the criteria for discovering, judging, and living a moral life. Consideration is given to the contributions which the great philosophers have made to the questions of norms, values, and the meaning and nature of ethical discourse.

Three class hours each week. Three credits.

205 PROBLEMS IN ETHICS

Spring

This course applies the criteria and theory analyzed in Philosophy 203 to contemporary moral problems, and/or pursues to a more advanced level some of the theoretical problems discussed in that course.

Prerequisite: Philosophy 203.

Three class hours each week. Three credits.

207 PHILOSOPHY OF LAW

Every third year

An introduction to the reasons behind the meaning of law and the various forms of law: civil, natural, and divine. It is concerned with the problem of the evolution of law, when laws are legitimate, and the relationship between morality and law.

Three class hours each week. Three credits.

209 PHILOSOPHY OF LOVE

Every third year

This course is a philosophical examination of the experience of love. It seeks understanding of the various elements and dimensions of the reality of love and seeks to order all of them for a synthetic grasp of the whole meaning and worth of different types of love. Major thinkers will be consulted and the students themselves shall have the opportunity to prepare and present papers in areas of their own selection.

Three class hours each week. Three credits.

211 PHILOSOPHY OF FREEDOM*Every third year*

A philosophical examination of the purpose and nature of human freedom. Various types of freedom will be investigated. The problems of free choice will be studied against the historical background of those who claim that free choice is absurd or impossible. The value and limits of freedom will be measured in terms of the goal and dignity of human life and man's relation to God.

Three class hours each week. Three credits.

213 PHILOSOPHY OF SOCIETY*Every third year*

An examination of human society concentrating on the distinct methodology of social and political philosophy. The course concentrates on the finality of the social order (Common Good), the social nature of persons, justice and friendship, civil authority, the family, community of nations, and problems of church and state.

Three class hours each week. Three credits.

215 PHILOSOPHY OF ART*Every third year*

This course considers the meaning of a philosophical approach to the whole range of making. This includes an investigation of what productive action is, the nature of artistic knowledge, the reality of artifacts, the definition of beauty, and differences between fine and useful arts.

Three class hours each week. Three credits.

217 PHILOSOPHY OF HISTORY*Every third year*

An introduction to ancient, medieval, modern and contemporary philosophical approaches to history, centering on the question of whether or not history is a science.

Three class hours each week. Three credits.

219 PHILOSOPHY OF SCIENCE*Alternate years*

An examination of the changing emphases in science and science education; science as inquiry; the place of explanation, definition, and observation; the goals of science education as a humanistic experience and a contribution to human understanding of the physical world. Students are urged to take Humanities 317-319 before this course.

Three class hours each week. Three credits.

221 PHILOSOPHY OF EDUCATION*Spring*

This course considers the basic principles, the nature and ends of education, and emphasizes the respective roles of the intellectual and moral virtues in the teaching and learning situation as well as the function of education in society.

Three class hours each week. Three credits.

223 PROBLEMS IN LOGIC*Spring*

A study of selected topics in Aristotelian logic, with an emphasis on demonstrative and dialectical argumentation. Some passages in Aristotle's *Analytics* and *Topics* will be studied closely.

Three class hours each week. Three credits.

225 PHILOSOPHY OF RELIGION*Alternate years*

This course consists of a reflection on the nature of religious activity and on the question of whether it is reasonable to engage in this activity. Thus, the nature of faith and the intellectual approaches to God will be the two general areas of investigation. The purpose of the course is to allow the student to use rigorous philosophical tools in order to pose the central religious questions in a clear and precise way, and to begin working out answers to these questions at a level of sophistication befitting a college student.

Three class hours each week. Three credits.

301 ANCIENT GREEK PHILOSOPHY*Fall*

A study of the principal figures of, and their contributions to, early Greek Philosophy, from the sixth to the third centuries, B.C. A brief consideration of the period from Thales to Socrates leads to a more detailed study of Plato and Aristotle.

Three class hours each week. Three credits.

303 MEDIEVAL PHILOSOPHY*Spring*

A study of the major thinkers of Christianity, Judaism, and Islam, and their attempts to utilize Greek categories in order to understand the world, themselves, and God. This historical period ranges from the fourth to the fourteenth centuries, and studies such figures as Augustine, Anselm, Averroes, Maimonides, and Thomas Aquinas.

Three class hours each week. Three credits.

305 PHILOSOPHY IN THE SEVENTEENTH AND EIGHTEENTH CENTURIES*Fall*

This course considers the development of philosophical thought from the renaissance through the eighteenth century. Class readings and discussions center around such major figures as Descartes, Spinoza, Locke, and Hume.

Three class hours each week. Three credits.

307 NINETEENTH CENTURY PHILOSOPHY*Fall*

This course considers the development of philosophic thought from the late eighteenth through the nineteenth centuries. Class readings and discussions center around such major figures as Kant, Hegel, Mill, Nietzsche, and Bergson.

Three class hours each week. Three credits.

309 CONTEMPORARY PHILOSOPHY*Spring*

This course considers major philosophic trends since the start of this century. Class readings and discussions center around such major figures as Husserl, Russell, Heidegger, Moore, and Sartre.

Three class hours each week. Three credits.

311 PLATO*Alternate years*

Class periods are devoted to the examination of selected dialogues of Plato, including the *Euthyphro*, *Laches*, *Gorgias*, *Meno*, *Phaedo*, *Republic* (in part), and the *Phaedrus*. In addition, students are required to study at least three other dialogues on their own, and become acquainted with the important critical literature.

Three class hours each week. Three credits.

313 ARISTOTLE*Alternate years*

An analytical study of selected passages from some of Aristotle's major writings exclusive of his ethical, political, and logical works, including the *Parts of Animals*, *Physics*, *De Anima*, and *Metaphysics*.

Three class hours each week. Three credits.

315 ARISTOTLE'S POLITICS*Alternate years*

A reading of Aristotle's *Politics*, and a comparison of his political thought with that of such men as Aquinas, Machiavelli, Hobbes, and de Tocqueville.

Three class hours each week. Three credits.

317 THOMAS AQUINAS*Fall*

An introduction to the writings of Thomas Aquinas. The course will include a consideration of the different genres in the Thomistic *corpus* as well as a close analysis of selected passages which contain some of the important teachings of Aquinas.

Three class hours each week. Three credits.

319 MARX AND MARXISM*Alternate years*

A study of the philosophy of Karl Marx, including a consideration of its sources in such men as Hegel and Feuerbach, and its systematization by Engels and Lenin. The course is completed by an examination of present-day philosophies of Marxist inspiration.

Three class hours each week. Three credits.

321 EXISTENTIALISM *Alternate years*

This course will consider representative figures of theistic and non-theistic philosophical existentialism, such as Marcel and Sartre, Buber and Heidegger, Scheler and Jaspers.

Three class hours each week. Three credits.

323 AMERICAN PHILOSOPHY*Spring*

Depending on the background of the students, this course will be either an historical survey of significant American thinkers from Jonathan Edwards to John Dewey, or a concentrated study of select American Philosophers.

Three class hours each week. Three credits.

401-403 METAPHYSICS *Two semesters*

This course considers the ultimate principles and the common characteristics of reality as well as the presuppositions and methods necessary for a philosophical treatment of such topics.

Three class hours each week. Three credits.

410 SENIOR SEMINAR IN PHILOSOPHY*Two semesters*

The senior coordinating seminar, both by reading and discussion, centers on a chosen topic — one specific philosophical area, problem, and/or thinker, and examines it in the light of the conceptual and historical currents which contribute to it. During the 1977-78 academic year, the course will consider *A Theory of Justice* by John Rawls. This course is also a partial preparation for the Senior Comprehensive Examination which is given each spring.

Three class hours each week. Three credits.

Dr. Dominique Casavant, Chairman; Foley, Evans, Ross

Physics concerns itself with the deduction and establishment of the principles which underlie the observable phenomena of the physical universe. For students whose curiosity about physical phenomena guides them to a career in physics, the Physics Department offers courses to prepare them for graduate school, teaching, or industry. Other students interested in science will find that courses offered above the elementary level enrich erudition in their own concentrations.

Mathematics is the language of logic in physics. Students must have a mathematical ability commensurate with the physics content of the course if they expect to master the material. Students who plan to attend graduate school should bear in mind that familiarity with a foreign language may be required.

Required of concentrators: Physics 210-212, 301-303, 401-403, 410. Also Chemistry 105, 109, 302, 304 and Mathematics 105-107, 201, 203. Math 303 and 317 strongly recommended.

101 ASTRONOMY *Fall and Spring*

Astronomy is the oldest of the Physical Sciences and one of the most influential in the cultures of man. The course considers historical astronomy, astronomers' tools, the solar system, stars, galaxies, cosmology. Not open to those who have taken Physics 105.

Three class hours each week. Three credits.

103 ACOUSTICAL FOUNDATIONS OF MUSIC *Fall and Spring*

The goal of this course is to present to non-science students an opportunity to see physical principles applied to an area which is considered to be essentially non-science. In large part it is qualitative, but there are laboratory exercises to provide the student with an opportunity to visualize what is being discussed, and there are field trips to familiarize the students with situations of bad and good acoustics in presently existing structures. The course is divided into four parts: the basic structures of the receivers of sound; the environment and transmission of sound; the production of musical sound.

May be used as Science or Fine Arts credit but not both.

Three class hours each week. Three credits.

105 A PHYSICIST LOOKS AT NATURE *Fall*

This course presents views of several aspects of the physical universe as seen by a physicist. Topics covered include astronomy and the history of the solar system and of the universe, the history of the earth, and a glimpse of how these histories were deduced.

Three class hours each week. Three credits.

Not open to those who have taken Physics 101.

131 THE ENERGY CRISIS *Spring and Fall*

The course is designed to make the student aware of the meaning of the present energy crisis. The course covers basic principles that lead to an accurate definition of energy as the scientists view it and to the laws of energy transformations. Using these laws, the course acquaints the students with the ecological significance of energy transformations, the political implications of centralized energy resources, the economic impact of technological changes shifting the importance of certain resources, and the alternatives to the present energy resources.

Three class hours each week. Three credits.

151 ELECTRONICS *Fall*

This course is designed to provide the non-science student with an introduction to the theory and operation of electronic devices and circuits. Topics covered include, but are not necessarily limited to the following: concepts of voltage, current and resistance, (including series and parallel combinations of resistances), analysis of single and multi-loop DC circuits using Ohm's and Kirchoff's Laws; measurement techniques in simple AC and DC circuitry. Alternating current circuits with reactive elements which lead to concepts of impedance, capacitance, resonant frequency, phase angle and power factor are also considered. Finally, non-linear circuit elements such as the diode (thermionic and semi-conductor) and solid-state devices are discussed as well as circuits containing active elements (transistors and vacuum tubes). The laboratory portion of the course includes

not only analysis of the various circuits and devices described in class, but will also allow the student to gain practical knowledge in the use of tools and test equipment (multi-meter, signal generator, oscilloscope, etc.) and in the technique of soldering. As a part of the laboratory work, each student constructs a radio receiver, and thus gain familiarity with troubleshooting and maintenance techniques.

Note: If interest warrants, parts of this course can be designed to prepare a person for the FCC Second Class Radiotelephone Certificate, or the Novice and/or General Amateur Radio license.

Prerequisites: Knowledge of Algebra and Trigonometry. Those who have taken General Physics and/or Calculus are better prepared.

Three class hours and one laboratory each week. Four credits.

153 ELECTRONICS

Spring

This course is a continuation of Physics 151. Many of the topics introduced during the first semester, such as complex impedance, vacuum tube and transistor parameters, and "Q" of tuned circuits will be examined in greater detail. The design of practical electronic circuits will be emphasized. Topics such as frequency response and distortion in actual amplifier circuits, design considerations for high-frequency circuits, and methods for modulation and detection will be considered.

The mathematical treatment will be similar to that of the first semester, and the laboratory will be optional, although highly recommended.

Prerequisite: Physics 151 or consent of instructor.

Three credits without lab; four credits with lab.

210-212 COLLEGE PHYSICS

Two semesters

This course develops the concepts of physics with a mathematical sophistication to challenge students with an interest in the physical sciences. The catholicity of physics is emphasized in a study of mechanics, thermodynamics, electricity and magnetism, and modern physics.

Prerequisites: Mathematics 107, Chemistry 109, and successful completion of Physics 210 in order to take Physics 212.

Three class hours and one laboratory each week. Four credits each semester.

220-222 GENERAL PHYSICS

Two semesters

Liberal Arts students will enjoy this rigorous survey course in physics. Topics covered include Newtonian dynamics, thermodynamics, kinetic theory, electricity and magnetism, optics and modern physics. Examples and problems are taken from all areas thus emphasizing the relation of physics to other sciences.

This course satisfies the requirement for medical and dental schools.

Prerequisites: A working knowledge of algebra, geometry, trigonometry, and basic calculus, Mathematics 101-103 or equivalent.

week. Four credits each semester.

301-303 INTRODUCTION TO MODERN PHYSICS

Two semesters

A study of the recent developments in the field of physics. It includes some of the concepts of special relativity and quantum mechanics and applies these concepts, as well as the classical concepts, to atomic, nuclear, molecular, and crystal structure.

Prerequisites: Physics 210-212, Mathematics 201-203.

Three class hours and one laboratory each week. Four credits each semester.

310 SPECIAL TOPICS IN PHYSICS

Occasionally

This course will be offered when the need and demand for specialized instruction arises. May be repeated with the approval of the department.

Credit not to exceed 4.

401-403 ELECTRICITY AND MAGNETISM

Two semesters

A study of: electrostatic, magnetic and electromagnetic fields and their effects in different media; A.C. and D.C. circuits; electron properties and characteristics.

Prerequisites: Mathematics 201-203; Physics 210-212.

Three class hours and one laboratory each week. Four credits each semester.

410 COORDINATING SEMINAR

Two semesters

Two class hours each week. Two credits each semester.

Dr. William E. Wilson, Chairman; Cannon, Hughes, Kernstock, Olgyay.

Political Science in the broadest sense is the study of governments and governing procedures — whether these “governments” are sovereign states, international entities, or sub-units of political cultures. Thus, political science has many facets.

Political scientists are interested in the origins of and the preconditions for governments, the growth and evolution of governments, and the decline of governments. Political scientists are also interested in how governments are structured, how governments make decisions, as well as the content of the decisions and how governments solve societal conflicts. In addition, true to their oldest academic traditions, political scientists retain their concern with the fundamental question of how governments ought to be constituted.

The curriculum for concentrators has been designed to provide a familiarity with the full scope of the discipline both in substance and methodology. Concentrator requirements are as follows:

1. A total of 11 semester courses in political science to include the following courses: PO101, 103, 201, 221, 301, 341, 410.
2. In order to insure some cross disciplinary work the department requires that four semester courses be taken from among the disciplines of humanities, history, sociology, psychology, business, and economics.
3. Because it is the judgment of the department that language skills are an essential part of a liberal education, the department requires two years of language study or passage of an equivalency examination. This requirement may be waived in individual cases by the department chairperson.
4. The department requires that each concentrator take English 101 or 105 (College Writing).

101 INTRODUCTION TO POLITICS *Fall and Spring*

The objective of this course is to provide an introduction to political science as a field of knowledge and inquiry. Instructors are free to use their own methods of achieving this objective.

Sections A, B, C, and D are reserved for concentrators.

Three class hours each week. Three credits.

103 RESEARCH METHODS AND METHODOLOGY *Spring*

This course seeks to familiarize the student with various methodological issues that shape current research in political science. The course will also explore some of the basic skills used by social scientists in gathering, analyzing and interpreting data.

Reserved for concentrators.

Three class hours each week. Three credits.

201 INTRODUCTION TO AMERICAN NATIONAL GOVERNMENT *Spring*

A general introduction to the structure and processes that define American politics on the national level.

Reserved for American studies and Political Science concentrators.

Three class hours each week. Three credits.

203 AMERICAN FOREIGN POLICY *Alternate years*

An introduction to the nature, objectives, and practices of the foreign policy of the United States.

Three class hours each week. Three credits.

205 PUBLIC ADMINISTRATION *Alternate years*

An introduction to the organization, management, and administration of public agencies on the local, state and national level.

Three class hours each week. Three credits.

207 POLITICAL PARTIES AND PRESSURE GROUPS *Alternate years*

A study of the policy-making process in American government; of public opinion, political parties, and pressure groups as agencies of policy formation.

Three class hours each week. Three credits.

211 FOREIGN POLICY OF THE U.S.S.R. *Alternate years*

An analytical and historical survey of the development of the foreign policy of the Soviet Union since 1917.

Three class hours each week. Three credits.

221 INTERNATIONAL POLITICS *Spring*

An analysis of the factors operating in world affairs in terms of international conflict and cooperation.

Reserved for concentrators.

Three class hours each week. Three credits.

223 GLOBAL POLITICS *Alternate years*

This course will employ a systems approach to the planet in order to analyze the political implications of global problems. Emphasis will be given to the political alternatives in restructuring the planet.

Three class hours each week. Three credits.

301 CONSTITUTIONAL LAW AND HISTORY*Fall*

An analysis of American constitutional theory as it has been developed and articulated by the US Supreme Court. Specific topics include the nature of judicial review, the powers of the President and Congress, federalism, the regulation of commerce and the development of substantive due process.

Reserved for American Studies and Political Science concentrators.

Three class hours each week. Three credits.

305 CIVIL LIBERTIES *Alternate Years*

A study of the constitutional relationship between the individual and his government. Particular emphasis will be placed on First Amendment freedoms of speech, press, and religious belief, as well as theories of due process and equal protection.

Three class hours each week. Three credits.

306 PRESIDENTIAL BEHAVIOR*Alternate years*

This course deals with the powers and responsibilities of the office of the American chief executive as well as the political forces that have shaped this office.

Three class hours each week. Three credits.

307 CONGRESSIONAL BEHAVIOR*Alternate years*

A descriptive and analytical survey of the political and structural variables that shape policy making at the congressional level.

Three class hours each week. Three credits.

308 JUDICIAL BEHAVIOR*Alternate Years*

An examination of the judiciary as a participant in the public policy-making process, paying particular attention to the federal court system as it interacts with other centers of political power.

Three class hours each week. Three credits.

309 ADMINISTRATIVE POLITICAL BEHAVIOR*Alternate years*

A study of the search for and use of power by public agencies in an attempt to adapt to a changing environment.

Three class hours each week. Three credits.

311 INTERNATIONAL LAW*Alternate years*

A survey of the law of nations dealing with the origin, sources, scope and subjects of the law, and the law of interstate transactions.

Three class hours each week. Three credits.

315 POLITICS OF DEVELOPMENT*Alternate years*

A survey of developing political systems and their comparison according to common categories.

Three class hours each week. Three credits.

321 URBAN GOVERNMENT*Alternate years*

This course seeks to investigate the variables that combine to produce the contemporary "urban crisis." Special emphasis will be given to the problems of race, poverty, and cultural drain that plague American cities and the political responses to these problems.

Three class hours each week. Three credits.

324 ENVIRONMENTAL POLITICS*Alternate years*

This course seeks to examine the political dimension of man's relationship to his natural environment. Emphasis will be placed on problems of natural resource use and pollution in the United States.

Three class hours each week. Three credits.

325 GOVERNMENT AND POLITICS IN CANADA*Alternate years*

A survey of the development of governmental institutions and political processes in Canada.

Three class hours each week. Three credits.

327 GOVERNMENT AND POLITICS IN THE MIDDLE EAST*Alternate years*

A survey of the development of governmental institutions and political processes in the Middle East with a special emphasis on the state of Israel.

Three class hours each week. Three credits.

331 GOVERNMENT AND POLITICS IN WESTERN EUROPE*Alternate years*

A survey of the development of governmental institutions and political processes in Western Europe.

Three class hours each week. Three credits.

333 GOVERNMENT AND POLITICS IN EASTERN EUROPE*Alternate years*

A survey of the development of governmental institutions and political processes in Eastern Europe.

Three class hours each week. Three credits.

337 GOVERNMENT AND POLITICS IN EAST ASIA*Alternate years*

A survey of the development of governmental institutions and political processes in China and Japan.

Three class hours each week. Three credits.

338 CASE STUDIES IN POLITICAL DEVELOPMENT*Alternate years*

An examination of government and politics in selected nations of Africa, Asia, and Latin America that reflect the special problems and alternatives to political development.

Three hours each week. Three credits.

341 HISTORY OF WESTERN POLITICAL THOUGHT*Fall*

A study of the most important political theorists of western civilization.

Reserved for concentrators.

Three class hours each week. Three credits.

403 AMERICAN POLITICAL THOUGHT*Alternate years*

An examination of writings, speeches, and documents that evidence the clearest reflection about American politics.

Three class hours each week. Three credits.

407 SOVIET MARXISM*Alternate years*

The objective of the course is to acquaint students with the intellectual origins of Soviet Marxism and the practical implication of the ideology for Soviet society.

Three class hours each week. Three credits.

409 FEMINIST POLITICS*Alternate years*

The course is a study in political and social theory with the problem of women as its focus.

Three class hours each week. Three credits.

410 SENIOR SEMINAR*Spring*

This is a course designed for small group and independent study techniques. Individual instructors will determine the direction of inquiry.

Reserved for concentrators.

Three class hours each week. Three credits.

417 MODERN TOTALITARIANISM*Alternate years*

Combining a historical and conceptual analysis, the course will search for the fundamental causes and essential nature of modern totalitarian movements.

Three class hours each week. Three credits.

421 ADVANCED RESEARCH METHODS*Alternate years*

This course involves a major research project and seeks to familiarize the students with the application of theory and technique of research in political science.

Prerequisite: Political Science 103.

Three class hours each week. Three credits.

422 AMERICAN POLITICAL BEHAVIOR*Fall*

This course concerns itself with political inputs. Consideration is given to the variables that govern the various behavior patterns displayed by the American electorate.

Three class hours each week. Three credits.

423 IDEOLOGY AND CONFLICT*Alternate years*

An investigation into the roots of contemporary ideological conflict. Seminars will explore the psychological constraints as well as "personal status" and class dimensions of conflict in America.

Three class hours each week. Three credits.

425 POLITICS AND THE NOVEL*Alternate years*

A study of power and politics as it is reflected in nineteenth and twentieth century American literature. (To be taught with an instructor from the English Department)

Three class hours each week. Three credits.

427 RELIGION AND THE PUBLIC ORDER*Alternate years*

A study of the relationship and interrelationships between religion, political culture and the public order.

Three class hours each week. Three credits.

431 LAW AND SOCIETY*Alternate Years*

A survey of Anglo-American legal thought analyzing the sources of law, the relationship between law and morality or other extra-legal sources of principle, and an examination of the law's response to problems in liberty, equality, culpability and punishment.

Three class hours each week. Three credits.

433 THE CRIMINAL JUSTICE SYSTEM*Alternate Years*

An analysis of the various agencies involved with the administration of criminal justice. Topics include the definition of criminal behavior, pre-trial procedure, the adversary trial process, and the imposition of punishment. Attention will also be given to the judicial supervision of the rights of the accused.

Three class hours each week. Three credits.



Dr. James P. Chaplin, Chairman; Hampes, Krikstone, Lavallee.

Psychology is concerned with the discovery of the principles underlying human and animal behavior. Students electing to major in Psychology will be thoroughly prepared to enter graduate school in any of the many fields of Psychology or related disciplines. Students will also find Psychology to be an excellent preparation for pursuing a wide variety of careers open to liberal arts graduates requiring a basic understanding of human behavior.

The Psychology concentration is made up of two parts. The first is a set of required courses in the areas of research methodology, statistical analysis, learning and systems and theories of Psychology. These courses are intended to provide the student with a firm background in the more scientific aspects of the field. The second part provides the student with an option for either an experimentally oriented or a clinically oriented program of electives.

The following courses are required of all concentrators: Psychology 101, 201, 306, 308, 311, and Biology 101-103.

101 GENERAL PSYCHOLOGY *Fall and Spring*

An introduction to the entire field of psychology with emphasis on the normal adult human being.

Two lectures and one discussion each week. Three credits.

201 STATISTICAL METHODS IN PSYCHOLOGY *Spring*

A survey of the basic statistical techniques employed by the behavioral scientist. Topics included are descriptive and inferential statistics, both parametric and nonparametric. Emphasis is placed on inferential statistics, particularly analysis of variance.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

203 BEHAVIOR MODIFICATION *Fall*

A survey of the techniques that are employed in the manipulation and control of human behavior with an evaluation of their effectiveness.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

205 DEVELOPMENTAL PSYCHOLOGY *Spring*

A survey of the basic principles of behavioral development, with emphasis on the development of human behavior. Topics included are prenatal development, development of learning, intellectual development, language development, research methods. Various theories of development are also considered.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

207 APPLIED PSYCHOLOGY *Fall*

A survey of current areas where scientific psychology is applied. Major areas of study will include personnel work, human factors, engineering, consumer psychology and environmental psychology.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

303 PERCEPTION *Fall*

A general introduction to perception from an evolutionary perspective. The emphasis of the course will be on the types of information provided by each perceptual system. Both human and unique animal sensory capacities will be discussed. Demonstrations of many basic perceptual phenomena will be integrated with course lectures.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

305 SOCIAL PSYCHOLOGY *Fall*

A survey of the methods and concepts used in the study of individuals in groups. Topics included are attitudes, social norms, group dynamics, leadership, social conflict, social movements, groups and organizations, language and communications.

Prerequisite: Psychology 101.

Three class hours each week. Three credits.

306 EXPERIMENTAL PSYCHOLOGY: RESEARCH METHODS *Fall*

An in-depth introduction to the techniques of modern psychological research. Topics included are: experimental design, techniques of data collection and analysis, fundamentals of report writing, and the development of an original research proposal.

Prerequisite: Psychology 101, 201.

Two lectures and one two-hour laboratory each week. Four credits.

308 EXPERIMENTAL PSYCHOLOGY: LEARNING *Spring*

A survey of the field of animal learning including classical and instrumental conditioning, the parameters of reinforcement, generalization, discrimination, transfer and extinction. Includes laboratory work with animals in operant chambers.

Prerequisite: Psychology 306.

Three lectures and one two-hour laboratory each week. Four credits.

309 PHYSIOLOGICAL PSYCHOLOGY I *Fall*

A survey of neuroanatomy, neurophysiology and investigations into areas of sleep, hunger, thirst and sexual behavior. Laboratory work includes exercises correlated with the lecture content.

Prerequisite: Psychology 101.
Recommended: Biology 307.
Three lectures and one two-hour laboratory each week. Four credits.

310 PHYSIOLOGICAL PSYCHOLOGY II *Spring*

A continuation of Psychology 309 including studies of sensory-motor systems, endocrinology, and affective behavior, reinforcement mechanisms and learning and memory. Laboratory work includes exercises and demonstrations correlated with the lectures.

Prerequisites: Psychology 309. Four credits. Three lectures and one two-hour lab each week.
(It is recommended that concentrators contemplating graduate school take both 309 and 310.)

311 SYSTEMATIC PSYCHOLOGY *Spring*

A survey in depth of the chief historical and contemporary psychological schools of thought. Topics included are: structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis and contemporary systems and theories in sensation, perception, learning, motivation, emotion, and social psychology.

Prerequisite: Psychology 101.
Three class hours each week. Three credits.

313 PERSONALITY *Fall*

A survey of major theories of personality.

Prerequisite: Psychology 101.
Three class hours each week. Three credits.

315 ABNORMAL PSYCHOLOGY *Spring*

The origin, characteristics and treatment of the behavior disorders, including minor maladjustments and major neuroses and psychoses.

Prerequisite: Psychology 101 and Junior standing.
Three class hours each week. Three credits.

317 DRIVING FORCES IN HUMAN NATURE *Fall*

A special course for non-concentrators in psychology. Its purpose is to present a picture of the inner life of man as it interacts with the environment, as it is experienced and expressed in behavior. It attempts to synthesize concepts from psychology, psychiatry and psychoanalysis, in order to account for the development of the unique personality, its reactions, equilibrium and breakdown. Especially designed for future teachers, social workers, physicians, and those interested in business.

Prerequisite: Junior and senior standing.
Three class hours each week. Three credits.

319 PSYCHOLOGY OF THE MALADJUSTED *Spring*

A continuation of The Driving Forces in Human Nature. A course of non-concentrators in psychology exploring the malfunctions of the human personality ranging from problems of everyday life to serious mental disabilities. Includes a discussion of attitudes to promote mental health.

Prerequisite: Psychology 317.
Three class hours each week. Three credits.

321 PSYCHOLOGICAL MEASUREMENT *Fall*

An introduction to psychological measurement as a standardized method of obtaining information about group and individual behavior. The course is designed to provide the student with a firm background in modern ability, interest and personality assessment. Students will take and interpret a variety of tests during the semester.

Prerequisites: Psychology 101 and Junior/Senior standing.
Three class hours each week. Three credits.

325 HUMAN LEARNING AND MEMORY *Spring*

A general introduction to human learning and memory, to include a consideration of verbal, motor and perceptual learning as well as short and long term memory. Theories of learning and research methods will be woven into the course throughout the semester. Students will become involved in a limited amount of laboratory work at various times during the course.

Prerequisites: Psychology 101 and Junior/Senior standing: (Sophomores by permission of the instructor only.)
Three class hours each week. Three credits.

403 DRUGS AND BEHAVIOR *Fall*

A survey of basic drug effects on behavior. Topics included are: neuropharmacology, behavioral pharmacology, endocrine pharmacology, the influence of drugs on learning and memory.

Prerequisite: Psychology 309.

Three class hours each week. Three credits.

405 INTRODUCTION TO CLINICAL PSYCHOLOGY *Spring*

An introductory survey of contemporary clinical practice in Psychology. The course will include discussions of diagnostic procedures, therapeutic techniques and current practices in clinical work. The course is intended to give students a basic understanding of what clinical practice is like and to help them decide on the appropriateness of a clinical career for themselves.

Prerequisites: Psychology 101, 313 and 315.

Three hours each week. Three credits.

406-408 SENIOR HONORS RESEARCH *Fall and Spring*

For qualified seniors interested in experimental, field or library research in a topic to be jointly decided upon by the student and a faculty sponsor.

Prerequisite: Permission of the chairman of the department.

Meetings and credits to be arranged.

410-411 SENIOR SEMINAR *Fall and Spring*

A review and discussion of current topics in the field of psychology. The student will be expected to do independent reading in journals, to prepare and present it orally for discussion by the group.

Prerequisite: Permission of the instructor.

Two meetings each week. Three credits.



Fr. Paul Couture, S.S.E., Chairman; Berube, Bryan, Kroger, McLaughlin, Paulin; Lecturer: Wall.

Religious Studies are offered in keeping with the general objectives of Saint Michael's as a Catholic liberal arts college, that is, to study systematically the meaning and relevance of Christian beliefs. An understanding of religion and its historical significance is essential for an education which claims to be liberal. We also aim to develop in students of any persuasion an appreciation of other significant religious beliefs. Finally, these studies are very useful in understanding the pattern of Western Civilization, and thus, of oneself.

All students. Every student is required to take at least six credits (two courses) in Religious Studies. The student may fulfill this requirement at any time during the four years, although students usually do this at the beginning. The first course will be a 100 course, i.e., Introduction to the New Testament or Introduction to Christianity. These two courses are repeated every year.

The second course will be in the 200 series for which a 100 course is a prerequisite.

After these requirements are satisfied, the student may choose electives from a wide variety of courses which the department offers. Such courses can be found in the 300 series for which there is a 100 and 200 course prerequisite. Students may also take other 200 courses as electives according to the room available.

Some courses may have their own prerequisites, e.g., 212, 214.

Students in the Religious Studies Concentration. Beyond the reasons given above, the concentration in Religious Studies provides students with the opportunity for more extensive and intensive exploration of the Christian experience and the traditions of other religions. In the context of the College's overall curriculum, the Religious Studies concentrator is able to deepen and expand his understanding of the religious dimension of life, both culturally and personally. It is also an excellent focal point for liberal arts and mental discipline. It can also serve as a preparation for Christian action (e.g. Christian education) or for graduate studies.

Concentrators in Religious Studies must take the following:

A. In Religious Studies, ten courses, two of which are required and eight are elective. The two required courses are: Introduction to the Old Testament, Introduction to the New Testament. Four of the elective courses must be chosen from the 200 level, two of which must be along Catholic doctrinal lines and four must be chosen from the 300 level one of which must be in a religion other than Christianity. A senior project is also required in an area designated by the department.

B. In Philosophy, students will take Logic and Introduction to Philosophical Problems.

C. In Natural Sciences, students will follow the requirement for all students (six credits).

D. In Social Science, 6 credits chosen from Psychology, Sociology, Political Science, and Economics.

E. In Humanistic Studies, 6 credits chosen from the various fields, though the students are encouraged to take more than the minimum six.

N.B.: 100 and 200 language courses do not satisfy this requirement. Those students who expect to go on to graduate school should study German, French, and in some instances, Latin, Greek, Hebrew. These language courses, however, will not be counted among the 10 required courses.

Following is a list of all the courses. The 100 courses are given every year; 200 courses are given every other year; most of the 300 courses are given every third year.

100 INTRODUCTORY COURSES

110 INTRODUCTION TO THE NEW TESTAMENT

The historical, social and religious background of the first century. Survey of New Testament literature especially of the Gospels and Epistles. Life of Jesus of Nazareth. Every year. Staff.

Three class hours each week. Three credits.

120 INTRODUCTION TO CHRISTIANITY

A discussion of the Christian Creed, its foundations, meaning, and implications for Christian life, as interpreted by contemporary Catholic theologians. Every year. Staff.

Three class hours each week. Three credits.

200 INTERMEDIATE COURSES

210 INTRODUCTION TO THE OLD TESTAMENT *Each Spring*

The religious literature of ancient Israel is studied against the background of history, archaeology and literary analysis. Theological insights of God, man, history, etc. are emphasized.

*Prerequisite: 100 level course.
Three class hours each week. Three credits.*

212 JESUS IN THE CHURCH'S GOSPELS (Christology I) *Fall 79, 81*

Considers the claims of Jesus, the interpretation of the early Church in titles such as Messiah and Son of God. Jesus in his times especially from the Synoptics.

*P. Couture
Three class hours each week. Three credits.
Prerequisites: 110, Introduction to the New Testament.*

214 SAINT PAUL *Fall 78, 80*

A reading of all his epistles, a more critical reading of some, the theology of Paul, the life of Paul.

*P. Couture
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

216 EARLY CHRISTIAN AUTHORS *Fall 78, 79; Spring, 79, 80*

The thought of early Christians, from New Testament times to the fourth century. Documents probed through literary analysis and in the light of perennial human questions.

*D. Bryan
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

218 THE CHURCH IN CONTEMPORARY THEOLOGY *Spring 80, 82*

The nature and mission of the Church as understood by Vatican II and representative modern theologians and as the major issue of contemporary ecumenical dialog.

*R. Berube
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

220 MAN AND GRACE *Fall 79, 81*

The Christian understanding of the human person as created Image of God, "fallen" and yet redeemed, and as called to union with God.

*R. Berube
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

222 SYMBOL AND SACRAMENT *Fall 78, 80*

A study of the nature of Christian ritual in terms of its foundations in human experience, primitive religious symbolism, the Incarnation, and the sacramental nature of the Church.

*R. Berube
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

Senior Project: This course is required for all majors in Religious Studies who are graduating in 1978-79. They will be required to do additional readings and papers beyond the requirements for other students in this course.

224 THEOLOGY OF GOD *Fall 78, 80*

Questions about the inner life and nature of God (the Trinity) are studied systematically through ancient and modern authors.

*D. Bryan
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

228 MORAL THEOLOGY: ISSUES OF LIFE AND DEATH *Spring 79, 80*

A consideration of the religious and ethical dimensions of three contemporary medical-moral problems from a Christian perspective: abortion, euthanasia, eugenics. What are the choices and their implications?

*J. Kroger
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

230 MAKERS OF CONTEMPORARY THEOLOGY *Fall 80, 82*

The thought of three outstanding Christian theologians of the 19th and 20th century: S. Kierkegaard, P. Tillich, B. Lonergan, and their respective contributions to contemporary Protestant and Catholic theological developments.

*J. Kroger
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

232 PROCESS THEOLOGY *Fall 79, 81*

An application of the contemporary process thought of Alfred N. Whitehead to the fundamental teachings of Christian faith. This course will consider the relevance of process philosophy for an understanding of traditional Christian belief in: God, Jesus Christ, Grace, Sacraments, Immortality, and other current theological concerns.

*J. Kroger
Three class hours each week. Three credits.
Prerequisites: a 100 course.*

**234 CHRISTIAN ETHICS:
AN INTRODUCTION** *Fall 79*

Christian character and conduct: what does it mean to be a Christian, to live in Jesus Christ? The course will examine some underlying themes of Christian ethics: beliefs and behavior, sin and grace, transformation and fulfillment, freedom and responsibility, conscience and authority, virtues and vices, love and justice. Various contemporary moral issues will be considered in light of these themes.

J. McLaughlin

Three class hours each week. Three credits.

Prerequisites: a 100 course.

**236 CHRISTIAN
SOCIAL ETHICS** *Spring 80*

An examination of the interactions of Christianity and contemporary society: challenges posed to Christianity by various social systems, resources of Christianity for social justice, critical and constructive view of Christianity in the modern world.

J. McLaughlin

Three class hours each week. Three credits.

310 CHRISTIAN MARRIAGE *Fall 78,
Spring 79*

A theological investigation of marriage as a secular and sacramental reality, based on an examination of marriage in Scripture and in the history of Christian theology and practice.

R. Berube

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

**312 DEATH, RESURRECTION,
IMMORTALITY** *Spring 80*

Death in recent study and literature, immortality in various cultures and among various thinkers. Resurrection or afterlife in Christianity and some other religions.

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

317 INTRODUCTION TO JUDAISM *Spring 79, 80*

Presents the basic elements of ancient, Medieval, and Modern periods of Jewish life and experience, as well as an examination of the way the Jewish tradition has functioned in the past and how it is perceived today.

M. Wall.

Three class hours each week. Three credits.

Prerequisites: a 100 and 200 course.

**318 CONTEMPORARY JEWS AND
JUDAISM** *Each Spring*

Examines the experience and religious and cultural growth of the Jewish people from the 18th century to the present.

M. Wall

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

**320 ANCIENT NEAR EASTERN
RELIGION** *Fall 79, Spring 80*

The course investigates sympathetically and critically the religious thought-world of ancient Mesopotamia, Canaan and bordering desert regions. Method used: reading ancient texts in translation.

D. Bryan

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

**322 INDIAN RELIGIOUS THOUGHT:
EASTERN PHILOSOPHY** *Fall 80*

An introduction and critical inquiry into the philosophical foundations of Indian Religious thought. The course will include a study of both orthodox and heterodox schools: Jainism, Sankhya and Yoga, Vedanta, and Hinayana and Mahayana Buddhism.

J. Kroger

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

300 ADVANCED COURSES

**302 LITERARY ANALYSIS OF THE
OLD TESTAMENT** *Spring 80*

Clarification of the Bible's meaning is sought through analysis of the differing structures and evolutions of the many sorts of literature in the Old Testament.

D. Bryan

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

**304 PROPHECY AND APOCALYPTIC
IN ISRAEL** *Fall 79*

A study of the way in which Hebrew insights as to the meaning of life are expressed poetically and politically by the prophets and the later apocalyptic writers.

D. Bryan

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

**306 JESUS IN MODERN THOUGHT
(Christology II)** *Spring 80, 82*

Interpretation of Jesus from earliest Church times. The Jesus of History and the Christ of Faith question. Survey of modern views of Jesus such as Rahner, Schillebeeckx, Pannenberg, Aulen, Kasper etc.

P. Couture

Three class hours each week. Three credits.

Prerequisites: 110, Introduction to the N.T.

324 YOGA AND ZEN: EASTERN SPIRITUALITY *Fall 78*

This course will explore two forms of religious spirituality remarkable in their emphasis on freedom and self-realization of the individual. A study of both doctrine and technique, the course will move from the historical and philosophical roots of Yoga and Zen in Sankhya and Mahayana to their religious significance in the modern Western world.

J. Kroger

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

326 HINDUISM AND BUDDHISM: EASTERN TRADITIONS *Fall 79*

A philosophical, historical and literary study of two major religious traditions of the East in the context of their rise, interaction and development, and their approach to the fundamental religious questions of man.

J. Kroger

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

328 BELIEF AND MODERN MAN *Spring 79*

Some find belief difficult or impossible because of the findings of science, evolution, psychology and history. We shall examine the case against belief in such men as Marx, Nietzsche and Freud . . . and the case for belief in such theologians as Rahner or scientist-theologians as Schilling, Barbour, etc.

P. Couture

Three class hours each week. Three credits.

Prerequisites: A 100 and 200 course.

332 NORTHERN MYTH AND CHRISTIAN AUTHORS *Spring 79*

A course in Religion and Literature that examines selected themes in primitive Celtic and Germanic myth (e.g. Solar Hero, Grail, Mother Earth, Dragon), with particular attention to their Christian parallels and reinterpretations in Medieval and Romantic authors and in modern myth-makers such as J.R.R. Tolkien.

D. Bryan

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

334 FAITH AND IMAGINATION *Spring 80*

A course in the field of Religion and Literature, examining the role of imagination and imaginative fiction (primarily that of C.S. Lewis) in the expression of religious experience and meaning.

D. Bryan

Three class hours each week. Three credits.

Prerequisites: a 100 and a 200 course.

341-343 BIBLICAL GREEK *Both semesters 79-80, 81-82*

Machen's *New Testament Greek for Beginners*, containing 33 lessons, is covered. Translation of one of the Gospels. Enables students to understand and use technical commentaries and instruments.

P. Couture

Three class hours each semester. Six credits.

345-347 BIBLICAL HEBREW *Both semesters 78-79, 80-81*

A thorough study of Hebrew Grammar leading to the ability to read Hebrew prose. As time permits, poems, as well as matters of theological and "human" interest are considered.

D. Bryan

Three class hours each semester. Six credits.

Dr. Frederick Maher, Jr., Chairman; Bolduc, Garrett.

The discipline of sociology provides such knowledge of social phenomena as can be obtained by the use of empirical methods. While it is hardly the only means of approaching an understanding of these matters, the analytical perspective of sociology does provide insights into the nature of the distribution of power and wealth, the sources of group conflict and social turmoil, the bases of social cohesion, and the factors contributing to social change, among other subjects.

It is not the goal of sociology, as an undergraduate discipline, to prepare students for a specific occupation. In keeping with the liberal arts tradition it aims to provide an awareness of the complexity of social life, a tolerance of diversity, and an impatience with complacency. It does provide an analytical perspective that is useful in any of the careers which are usually entered by graduates of liberal arts colleges. It is also suitable preparation for graduate work in sociology and related fields.

Required of Concentrators: 36 semester hours which must include Sociology 201, 203, 301, 310, and 410. Concentrators are strongly urged to complete at least the 203-205 level of a modern language. Students planning to do graduate work should bear in mind that familiarity with a foreign language is usually required. In addition, concentrators are advised to elect courses in Psychology, History, Economics, and Political Science.

201 INTRODUCTORY SOCIOLOGY *Fall and Spring*

This course is designed to introduce the student to sociological analysis. It will include an examination of population, social stratification, community organization, economic, political and religious institutions.

Three class hours each week. Three credits.

203 RESEARCH METHODS *Fall*

The purpose of this course is to give the student an awareness of the techniques that are used to gather the data on which sociological generalizations rest. This course is intended primarily for concentrators, but it is not reserved for concentrators.

Three class hours each week. Three credits.

205 SOCIAL PROBLEMS *Spring*

An investigation of the complex nature of many contemporary social issues.

Three class hours each week. Three credits. For Non-concentrators.

301 FOUNDATIONS OF SOCIOLOGICAL THEORIES *Fall*

A survey of the classical European theorists in the development of sociology.

Three class hours each week. Three credits.

302 CONTEMPORARY SOCIOLOGICAL THEORY *Spring*

A continuation of Sociology 301, with major emphasis on American theories and on the sociology of knowledge.

Three class hours each week. Three credits.

303 THE FAMILY *Spring*

The family as a social institution; its internal organization and formation in the past and in the present. Special emphasis will be placed on problems affecting the American family.

Three class hours each week. Three credits.

305 POPULATION ANALYSIS *Spring*

This course will be concerned with population size, distribution, and composition, and the relationships between these factors and economic and political conditions. Particular attention will be paid to "underdeveloped" areas of the world, the resource "crisis" and ecological problems.

Three class hours each week. Three credits.

307 SOCIOLOGY OF EDUCATION *Fall*

An exploration of various aspects of the educational enterprise. Recent research and writings will be emphasized. Professionalism, the testing movement, societal inequalities, educational opportunities and financing controversies will be among the subjects considered.

Three class hours each week. Three credits.

310 DIRECTED READING IN SOCIOLOGY *Two semesters*

The objective of this course is to help the concentrator to become acquainted with the leading books and the recognized authorities in the field of sociology.

Reserved for concentrators.

Two meetings each week. Three credits each semester.

317 SOCIAL INEQUALITY *Fall*

An examination of inequalities in wealth, power, and privilege in the United States and other nations.

Three class hours each week. Three credits.

- 319

SOCIOLOGY OF POLITICS

Fall

An analysis of the social bases of politics. Social movements of various sorts (civil rights, independence, separatist, etc.) as well as electoral behavior will be considered.

Three class hours each week. Three credits.
- 321

RACIAL AND ETHNIC GROUPS

Spring

An examination of one of the basic sources of cleavage in the United States and other countries.

Three class hours each week. Three credits.
- 323

URBAN SOCIOLOGY

Fall

An examination of the origin, growth, and development of the specifically urban local community in a world perspective. Major areas of concern will include slums, suburbs, human ecology, social problems and general social organization.

Three class hours each week. Three credits.
- 325

SYMBOLIC INTERACTION

Not offered in 78-79

An examination of the symbolic nature of social life on both the face-to-face level of interaction as well as the cultural level.

Three class hours each week. Three credits.
- 333

SOCIOLOGY OF SEX ROLES

Not offered in 78-79

An examination of the sources, manifestations, and consequences of male and female role differences in American society.

Three class hours each week. Three credits.
- 403

CRIMINOLOGY

Spring

An examination of criminal and deviant behavior in society and the responses of society to this behavior.

Three class hours each week. Three credits.
- 407

AMERICAN SOCIETY

Not offered in 78-79

An exploration of various writings that illuminate the basic nature of the society.

Three class hours each week. Three credits.
- 409

SOCIOLOGY OF RELIGION

Not offered in 78-79

An analysis of the function of religion in society according to the interpretation of major sociological theorists. Special emphasis will be placed on the contemporary crisis in belief.

Three class hours each week. Three credits.
- 410

SENIOR RESEARCH

Two Semesters

Drawing on their work in earlier courses, students will conceive, design, and execute a research project.

Reserved for concentrators.
Three credits each semester.
- 411

RELIGION IN AMERICAN LIFE

Fall

An historical and sociological analysis of American religion and its influence on our culture.

Three class hours each week. Three credits.
- 499

SOCIOLOGICAL RESEARCH IN A FRENCH COMMUNITY: THE IMMIGRANT WORKERS IN THE PARIS REGION.

January

This course is an empirical research project investigating the social plight of immigrant workers who have entered the Paris region, particularly over the last two decades. The research, conducted by the class under the supervision of the instructors, is carried out in Paris and the surrounding suburbs. A seminar precedes each day's activities. During this time, questions are focused for subsequent investigation, data are shared among project members, and assignments for research are established. A typical day, then, begins with breaking up the larger group into small teams for visits to embassies, French government offices, social workers, union and political party leaders, ethnic associations, and so forth. At the end of the course, each team member selects one aspect of the larger immigrant workers problem for a brief, but in-depth, analysis.

The course objective is to familiarize students with a major social problem in European societies; to acquaint students with the methods and problems of gathering and interpreting research data; and to conduct cross-cultural analyses which compare structural similarities and dissimilarities between a foreign society and American society.

Offered during the Intersession in Paris from approximately December 28 through January 20. Interested students should contact the department early in the fall.

- AMRHEIN, Joseph, Ph.D.
(New York University)
Professor of Business and Economics
- ANDERSEN, Thomas B., Ph. D.
(Fordham University)
Assistant Professor of History
- ANDERSON, William O., M.B.A.
(Dartmouth College)
Assistant Professor in Business and Economics
- BEAN, Daniel J., Ph.D.
(University of Rhode Island)
Chairman and Associate Professor of Biology
- BECHARD, Bernard, S.S.E., M.A.
(Columbia University)
Assistant Professor of Education
- BERUBE, Richard N., S.S.E., M.A.
(University of Toronto)
Assistant Professor of Religious Studies
- BOLDUC, Vincent L., Ph.D.
(University of Connecticut)
Assistant Professor of Sociology
- BRYAN, David, S.S.E., Ph.D.
(Johns Hopkins University)
Assistant Professor of Religious Studies
- CANNON, Ellen S., Ph.D.,
(University of Massachusetts)
Assistant Professor of Political Science
- CARVELLAS, John N., B.A.
(Colby College)
Assistant Professor of Business and Economics
- CASAVANT, Dominique, Ph.D.,
(University of Vermont)
Professor of Physics
- CASE, James G., M.A.
(University of Toronto)
Associate Professor of Philosophy
- CHAPLIN, James P., Ph.D.
(University of Illinois)
Chairman and Professor of Psychology
- CITARELLA, Armand, Litt.D.
(University of Naples)
Professor of Classics
- CLARY, Frank N., Ph.D.,
(University of Notre Dame)
Associate Professor English
- CONLEY, James P., Ph.D.
(Loyola University)
Chairman and Assistant Professor of Classics
- COOMBS, James R., S.S.E., M.S.Ed.
(Fordham University)
Associate Professor of Education
- COUTURE, Paul E., S.S.E., S.T.D.
(Pontifical Gregorian University)
Chairman and Professor of Religious Studies
- DELANEY, J. Dennis, Ph.D.
(University of Arizona)
Associate Professor of Modern Languages
- DILLON, James T., M.B.A.
(Boston University)
Associate Professor of Business and Economics (Ret.)
- DIORENZO, Richard N., Ph.D.
(Cornell University)
Professor of Biology
- DOBSON, Frederick, Ph.D.
(University of Connecticut)
Assistant Professor of Biology
- ENGELKEN, Lt. Col. Martin, M.A.
(Missouri State University)
Chairman — ROTC
- ENGELS, John D., M.F.A.
(University of Iowa)
Professor of English
- EVANS, James S., M.A.
(University of Maryland)
Assistant Professor of Physics
- FAIRBANKS, Henry G., Ph.D.
(University of Notre Dame)
Professor of Humanities
- FOLEY, Edward L., Ph.D.
(Lehigh University)
Chairman and Professor of Physics
- FORTUNE, George A., M.S., C.P.A.
(University of Vermont)
Professor of Business and Economics
- GAMACHE, Sr. Pauline, Ph.D.
(University of Portland)
Coordinator and Associate Professor of Humanities
- GAMACHE, Richard O., M.Ed.
(Saint Michael's College)
Instructor of English as a Second Language
- GARRETT, William R., Ph.D.
(Drew University)
Associate Professor of Sociology
- GIANNI, Michael H., Ph.D.
(University of New Hampshire)
Professor of Chemistry
- GRADY, Gilbert L., Ph.D.
(State University of New York)
Associate Professor of Chemistry
- HAMPES, William, M.S.
(University of North Dakota)
Assistant Professor of Psychology
- HANAGAN, John J., Ph.D.
(University of Toronto)
Associate Professor of Philosophy
- HARTNETT, John C., Ph.D.
(University of Vermont)
Professor of Biology

- HAYDEN, Capt. Michael V., M.A.
(Duquesne University)
Assistant Professor of Aerospace Studies
- HENAULT, Marie J., Ph.D.
(University of Maryland)
Professor of English
- HESSLER, Arthur C., Ph.D.
(University of Vermont)
Assistant Professor of Biology
- HIGGINS, Walter A., M.B.A.
(New York University)
Chairman and Associate Professor of Business and Economics
- HUGHES, John C., M.A.
(New School for Social Research)
Instructor in Political Science
- KAPLAN, Carey H., Ph.D.
(University of Massachusetts)
Assistant Professor of English
- KEELTY, Gladys S., M.A.T.
(Saint Michael's College)
Assistant Professor of English as a Second Language
- KELLNER, Stephen M., Ph.D.
(University of Rochester)
Professor of Chemistry
- KENNEDY, Roy A. (Academie Julien)
Assistant Professor of Fine Arts: Art
- KENNY, Robert P., B.S., C.P.A.
(University of Vermont)
Assistant Professor of Business
- KERNSTOCK, Elwyn N., Ph.D.
(University of Connecticut)
Assistant Professor of Political Science
- KESSEL, Herbert, Ph.D.
(Boston University)
Assistant Professor of Economics
- KLEIN, Deana T., Ph.D.
(University of Chicago)
Professor of Biology
- KNIGHT, Harry R., M.B.A.
(University of Florida)
Professor of Business and Economics
- KRIKSTONE, Barry J., Ph.D.
(Southern Illinois University)
Assistant Professor of Psychology
- KROGER, Joseph W., Ph.D.
(McMaster University)
Assistant Professor of Religious
- KUKLIS, Richard, Ph.D.
(Syracuse University)
Assistant Professor of Business and Economics
- KUNTZ, Norbert A., Ph.D.
(Michigan State University)
Chairman and Associate Professor of History and American Studies
- LACHARITE, Norman J., M.A.T.
(Saint Michael's College)
Assistant Professor of English as a Second Language
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A VISIT TO SAINT MICHAEL'S COLLEGE

Prospective students and their parents are cordially invited to visit the College, tour the campus and discuss educational needs and objectives. We do not require an interview for admissions purposes but we strongly recommend that students visit the campus and speak to a member of our admissions staff if at all possible. The interview is not used to evaluate the candidate for admission, rather, it is designed to give students the opportunity to express any questions they may have about the college. We feel this can be helpful for students who are faced with the decision of which college to attend.

If you plan to visit the campus, Admissions Office (Klein Center) hours are: Monday through Friday 9:00 AM to 4:30 PM, Saturday mornings by appointment only.

TELEPHONE: Burlington, Vermont,
Area Code 802, 655-2000.

WRITE FOR INFORMATION TO:

**Director of Admissions
Saint Michael's College
Winooski, Vermont 05404**

Saint Michael's is easily accessible by automobile, bus and air. If you plan to come by auto, we suggest you look at the road map on the following page for ideas and then refer to more specific road maps provided by the major oil companies and automobile associations.

If you prefer to come by air, Allegheny Airlines, Air New England, and Delta Airlines serve nearby Burlington International Airport. Local bus and taxis serve the campus.

Buslines are Greyhound or Vermont Transit.

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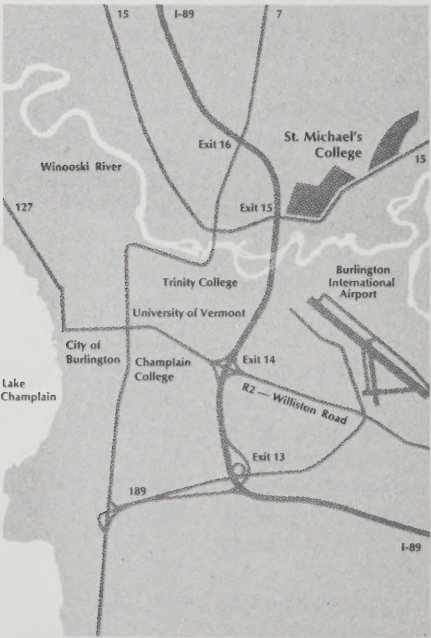
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The Burlington, Vermont area
TRAVEL TIMES AND DISTANCES

AIR TIMES* (to Burlington International Airport)	FROM	ROAD MILEAGE**
32 minutes	Albany, N.Y.	153 miles
40 minutes	Boston, Mass.	225 miles
*150 minutes	Chicago, Ill.	1013 miles
*65 minutes	Hartford, Conn.	219 miles
—	Montreal, Que.	91 miles
*85 minutes	New Haven, Conn.	264 miles
90 minutes	Newark, N.J.	291 miles
60 minutes	New York City	305-330 miles
38 minutes	Portland, Maine	208 miles
74 minutes	Providence, R.I.	269 miles
*65 minutes	Springfield, Mass.	194 miles
104 minutes	Washington, D.C.	550 miles
140 minutes	White Plains, N.Y.	266 miles
115 minutes	Worcester, Mass.	241 miles

*These are optimum air times and do not include connections or delays.

**Road mileages are approximate and depend greatly on the actual route taken.
These mileages are for the best and most direct route.



Saint Michael's College believes in . . . and practices . . . non-discrimination. It does not, and will not in the future, discriminate against applicants for admission or for employment, students or employees on the basis of race, national or ethnic origin, color, religion, age, sex, or handicap in the administration of its educational policies, employment practices, admission policies, scholarship and loan programs, and athletic or other college administered programs. Saint Michael's College practices non-discrimination in the context of its Catholic faith and heritage.

Applicants for admission as students, as well as applicants for employment and employees are protected from sex discrimination under the provisions of Title IX of the Education Amendments of 1972. The College Equal Opportunity Coordinator is Mr. Donald L. Larson, Founders 117, Saint Michael's College, Winooski, Vermont 05404.

The academic records of students are in the custody of the Director of the Student Information Center/Registrar. These records are considered confidential and are managed generally according to the *Guide Developed by the Committee on Records Management and Transcript Adequacy of the American Association of Collegiate Registrars and Admissions Officers*. Transcripts of a student's work are usually released only at the request of the student. Academic information released concerning students otherwise is generally limited to date of birth, dates of enrollment at Saint Michael's College and degrees earned here, home and local addresses, and verification of signature. The College adheres to both the spirit and the letter of The Family Educational Rights and Privacy Act of 1974.

ST. MICHAEL'S COLLEGE

WINOOSKI, VERMONT 05404